

34546 - SEQLIST.TXT

## SEQUENCE LISTING

<110> Rigshospitalet  
Henrik Leffers  
Anne Mette Buhl Hertz  
Jørgen Kjems

<120> Methods and kits for diagnosing and  
treating B-cell Chronic lymphocytic leukemia (B-CLL)

<130> P34546PC01

<150> DK/PA 200201792

<151> 2002-11-19

<160> 41

<170> FastSEQ for Windows version 4.0

<210> 1

<211> 19999

<212> DNA

<213> Homo Sapiens

<220>

<221> gene

<222> 40000-60000

<223> Sequence of ac063949.emhum

<400> 1

cacacgtagg	ctacgagtgg	ccctcagcct	gcctcatcat	ggacctgtgt	tataataaat	60
atgtttaatt	gtgctgtttt	cttatagagg	aaagtcctga	tgtagttgc	cttgaagtca	120
gacaccaga	gagaatcaca	ggttttcaga	ttaattcatc	gcttgattct	tatccctgaa	180
gtcatatctc	tggatctctg	gttctcacat	tataaatttc	aatgattctt	tttctatatg	240
gccatgtcat	tcataatcctg	tgtaatatgg	ggaaactgag	gtatgaatga	catcattcaa	300
aaagcacctg	caatttttct	tigccaagca	cttacagctt	tttctcatgt	tgctttcaaa	360
aagtcattga	aatattgttc	acataattttg	cagatgagga	aatgaatatt	caaatgcatt	420
aggtatcttg	tccaagttct	tacagccaga	aagtagagaa	atgaatttga	attacaaatc	480
ttctacctct	tggcttatgc	tcttttcatg	acactgggaa	taaatgtctg	aacaagcatg	540
acttcatgtt	tcaactattt	atcaaatact	tgttttctac	taagatcttg	cactcactca	600
gtgggatccc	ctgaagcctg	ctgattattt	gtcctttggc	atttatcact	ctctgtggga	660
ccttactctc	ctatggtaaa	gttttattgt	tattaaaagt	attatttgac	aataaatgta	720
gaaatcctac	agatcatact	caacaacatg	tctaattgtca	gcacacaatg	tctaacaatc	780
atttatgaat	actttatgtc	aaacataagc	aataacctaa	ttaaggaagg	tatttttaat	840
aaattgacac	tttttgacat	aaccataattt	caagtggctc	cattgttttg	tttattttatt	900
tattttattta	tttattttatt	tattttttgag	aaaggggtctc	actctgttgc	ccagactgga	960
gtgcagtggc	aacatcatag	ctcactacag	cctcgacctc	tctgggctca	agcaatcctc	1020
ccatctcagc	ttccaagta	gctgggacta	cagggtgtgta	ccatcatgcc	aggctaattt	1080
ttcgtatttt	gtagagacgg	ggttttgcct	ggtcgtccgg	gttggcttca	aactcctggg	1140
tgttccgccc	accttggcct	cccaaagtgc	tgggattata	ggcatgagcc	tcaagtggct	1200
actttttagg	gttgaaattt	atattgactg	tcaactagct	tccctagtta	gtattttggga	1260
tctgctaact	aattttatatt	accatccaac	ttgtcaacat	ttgttgaaat	ataactgtcc	1320
tcactttttt	tgtgtgaaca	ttgaatacac	tttcagacta	aatttggttt	attacttaat	1380
gtcttattct	ttattagagt	taataatatt	tcttaatact	ttgccttcca	caaatgaata	1440
acttgtttgt	gatggctacc	tctttttttc	tcttagcctg	tcacagggtat	tatggataaa	1500
aattagcacg	gctgggcaaa	aacaatgaaa	gaaatacact	tgccctgggaa	agctggggag	1560
gggtaaatga	atataattca	aaataccata	tattttattca	acactgttgg	aatatatgtc	1620
ctgttggaag	tgtaaaaagtg	acatatgttc	tcttcctggg	tctcagactt	ttaggatcta	1680
gttgagggaa	ctggacttat	acacaaaata	caattcaaca	acattatgag	ctagaaaatc	1740
catgagctaa	agtctttggc	aaagacatta	ggtaacatga	ggagtcagga	aaaggagaaa	1800
ttactgtggg	ctggaatggt	ctgggaacat	gagatggagg	aagtggcttg	ttactggaga	1860

## 34546 - SEQLIST.TXT

aaggatgagg	ttcaaagaga	tgggaaaaaa	agaaagagag	aagaaagaaa	agaaatgagg	1920
aaaaacaagt	tgccagaaaag	aacaaggaag	aatagaggca	ggtaagcagt	ggattttgcc	1980
ctaggggaagg	taataataact	agagacggca	gtttctaaca	ggccatgatg	aataagatac	2040
acttttagccc	tcattgggtac	gtgcagaaat	tcaaatTTTgg	aaattcaagc	ttacatgaca	2100
gtaaatatat	gttgggaaaa	aaataaccgg	taaacattta	catcagctct	ttttcctaaa	2160
gagaaaccta	ttccatgcta	tgaaatatTT	gtcacaattc	tgTTTTcaaa	atacttgctc	2220
tacttttcca	agccacaaga	ggaaacattt	tctctgccaa	cactctctga	ccttaaccag	2280
tttctccact	acgtctactc	ttaagctctc	tttagagctg	tgtgtatctc	gtctttatgt	2340
aaacctccta	gatgatatac	ttatggaaat	attcaggcaa	ctttttcatg	aactttacca	2400
ggaaagacat	ttctagcagg	agagcatgaa	tagaaatgga	ctcttcccc	gtctctgctg	2460
ggttctgact	gtggctactc	taactataaa	aagtgtgtaa	aaatcatgag	cagattattt	2520
catttccttg	gggtcccTaa	aaatttcaag	gtatctgtat	tagcacagga	agattttaaat	2580
tgattttctca	acacattcag	atatcttatg	aactttatta	agataaaatt	cctccagcat	2640
tcagaaactc	atatattaca	gaataaaaaa	taaagcagaa	aattagtgtg	cctggctaaa	2700
aatgagagca	gggttctatt	tcattttgga	aagtcactaa	gacagtaata	ataccattaa	2760
tgataaaaatg	ttaacattag	ttaattatta	gatgtgtttt	tgtatgccag	ccacataata	2820
tatactttta	tatgtatcac	ctacattttc	agatgtaaat	gtgagggaa	tatagtagta	2880
tctacctgtg	atgattttaa	gatgactgtt	ctctcaaaaa	cttggtatag	cttggtatag	2940
aaagcagaaa	cttttagtta	ttaagattct	tactattcca	atatttgaat	aaaacagtga	3000
cctgctaaga	aaccccaata	atattctgat	acatcaaaac	cttctggcat	tagatgtttc	3060
taatctaaca	tcttcatatt	aattttttta	tgTTTTgatt	atctacattc	agtagtgaat	3120
gtgtttctaa	acgctggatg	catttttaac	taaatgtgtt	ttgtaccaca	ttttgacaac	3180
ttttgtttta	actatgattc	agcttataac	aaaacaaaac	aatgcatctt	ctctccactg	3240
ttaataaggt	taatgaaaaa	ttgacttatg	aaaaaaaatcc	taatttatgc	acatttctcat	3300
tgTTTTcctt	gctaaggata	ttagtacttg	acgattctgt	aacaaagaat	tatcatggga	3360
tgaaactttg	atgcaaatat	cttatcaata	caatgtgctt	gattttacct	agatgagatt	3420
tttcttttct	tcttctttt	ttgagacagg	gttttgctgt	gttaccagg	ctagccTcaa	3480
acccctggcc	cctggcctca	agtgatcctc	tcacctctgc	ctcccaaagt	gctgggtatt	3540
acagatgtga	gtcactgaat	ccagcctcac	ttagttggct	ttcttagtga	attattttat	3600
ctggttctaa	aactttttga	taatactctc	aaatattttat	ggattttata	acataattta	3660
tggtattacgt	agttatgaat	ttcataaatg	attttgtgat	attgccacag	atcatcacca	3720
ttatacagga	tgtataacat	aaccatgggt	taatataatt	tcataaaacta	tagaccaaac	3780
aaagactgggt	caggaccagg	gcacgcatgc	atTTTtatatg	tgtgggtgcct	attggaatat	3840
gccaggcctc	ctgtgaaaaa	aatcagtaag	tgcttatctc	ataggacca	cggcccaaca	3900
ttcctgaagt	cactaccaca	cTTtgactt	atctccatgt	ggaaatagat	agccactggt	3960
gaattctgggt	gagaaacgaca	cgTctgaaat	ctctcagctt	cacaaccctc	attacagccc	4020
tcagagaatc	ttctcacata	gcgccaaca	acaactttag	gaagtgatgt	tcctagaatg	4080
aatcaatttc	taaaattaaa	agtgaaaaca	atgacaagga	gaagggagg	tcagagagga	4140
aaggctgatg	ttactaaaag	acaaaagaca	gtataacctc	ttatgaggat	ggtccagaca	4200
ctcagggaaa	tgcaaggaaga	aataaaaagat	aggagtTTga	accacactgt	gatggctaac	4260
tttatgtgtg	gacccgaccg	atctatggga	caccagata	gcttgtaaa	cactattttc	4320
gggtgcgtca	gtgaagggtg	ttttggaaga	gatcaaacact	tgagtcagta	gactgagtaa	4380
agcagatgggt	cctcaccaat	gtgggtgcac	attgtttaat	ctgttgagt	cctggataga	4440
caaaaaaggc	aaaagaagg	tgaattccct	ttctcgTctt	aagctgggac	agccatcctt	4500
tcctaccctc	agacatgaga	ggtttgatt	cttgatctt	tggTcccaag	ggctgacact	4560
ggtggccacc	tctggtttca	ggtctttggc	cccagattgt	aagttacacc	atcagcttcc	4620
ttggttcttg	ggccttgaga	ctcaagctaa	aatacactac	cagcttccct	tgTtctctag	4680
tgtagggaca	gcaaatcatg	aaaccttctg	cctccataat	catataagtc	aattcccgtg	4740
ataaatctgt	gcttatatat	ctatagctt	ccttttggtc	tgTttctcca	agaacctta	4800
atgtacacac	tatatgacct	aacctgtagt	aatgataacc	ttatgcagg	ttgaataaga	4860
tgatggatt	ctcagtatct	gggaggatg	ggctagagt	atgaaccacc	gccatgagcc	4920
taggactgag	gagatttctg	aaatgtggaa	tatttggtgt	caaaaacca	agataatata	4980
gccatgtgga	aaacatgtag	aactatcgta	tgattcagca	acccaaccac	tgggaaTTta	5040
cccaaaggaa	aggaaaccag	tattattaa	agaatctgca	ctcccatgg	tattgcagca	5100
ttattctcaa	tagcctagat	atggactcaa	cctaggagat	tagatgaatg	gacaaagaaa	5160
atgtggcata	tgTaccat	gaaataactta	ccagctataa	aaaagaatta	gccaaagcag	5220
tggtgtgtgc	ctgtcatccc	agctccttgg	gaggctgagg	tgggaagatc	tcgaggccag	5280
aagTttgaga	ccagcctggg	caaaaataa	agactcggtc	tctaaaacaa	tttaaaaaata	5340
ggccttccct	aaaaaaagaa	taaaatcatg	tatttcacgg	caacatagat	gggactggag	5400
gatattactg	ttaagtga	ttagccagga	acagcaagtt	aaacccca	tattctgatt	5460
catatgcgga	agctaaaaaa	acgttgatct	catagaagta	aaaagtagaa	cagaggatgc	5520
tgagagactag	aaaaggtagg	gagaagggaag	ggagagggaa	aaatttgTta	acaggTacaa	5580
aaacaaaatt	acagttagtt	agggagaatt	aattccagca	tcctgtagca	ctataggatg	5640

## 34546 - SEQLIST.TXT

actatagtta	ataataatac	tttaattagt	ctcaaatagc	tagaaggagg	atattgaatg	5700
ttcccaacac	acacaaaaaa	atgataatgt	atgagatgat	ggatatggta	gttatcctga	5760
tctgatcact	ctacattata	tgtatcaaca	catcactatg	tacccacaa	atatgtagaa	5820
tttttatttg	tccattttaa	aaagataaca	aatttataaa	taaaataaaa	actaaattag	5880
tgttccatgt	aaacctggat	gaactgggtc	ccctacgtct	gccccatctag	atggctggtc	5940
aaagtttccc	aggctccaca	tcaagtgtgt	ccactgctca	ctggaacttc	cctagtccag	6000
ttgggcaaat	agtaattttac	agcaatagtg	aatttatcac	tgacatttct	tcagttcccc	6060
tccttggcat	ctgcttcttc	ttttctgtaa	tgtgtttgt	tgaaatgccc	aacattcttt	6120
ttcttcccta	gagctattca	gggtgacctt	tcttttcgca	ttttcccatg	ccacttccat	6180
tatatcaaaa	taaaacagtc	ctgtgtggcc	actgctcatg	accttgtttc	ctgccatgtg	6240
aagataggat	cggctgtctt	ttcttctcct	cctttttttt	cagagacagg	atctctccct	6300
gtcaccacaga	ctggagtgca	atggcacagt	cgtagcttgc	tgcagcctcg	aactcctgga	6360
cctcctcagc	ctcctgagta	gctgggacta	cagggtgcaca	ccaccatgcc	ttcctaattc	6420
gatatatata	tatatatata	ttatatatat	aaaatatata	tataaatata	tatatattat	6480
atattatata	tataatatat	atattttata	tataaaatat	atatattata	tatatatatt	6540
atatataaaa	tatatatatt	atatatatat	atatatatta	tagagatggg	gtcttgctct	6600
gtcaccagg	ctgaagatca	gctgctcttt	ctaactctgtg	gttagataag	atctgtctcc	6660
caggggacaga	aatactacct	ggaataaagg	tatctttaaa	ataatccag	agaagaaaac	6720
atttttatag	tatgacagag	gcagagaaaa	cagagaatat	ttgttaaggc	aggactttca	6780
ccactcccag	tacaatcatc	tgtctgttac	ctgcatacct	tacacgggct	ggcactgctg	6840
ggggtacaaa	gtagatgcca	aacttcacaa	tgggttagatt	catgtttaaa	aagccatttg	6900
atcaaacctt	tgtgaaaagt	tccagctttt	ttctgttcca	aatatgtgtc	cattataaaa	6960
gaatctcaag	agcataattg	ccaagatagt	ctatgtccat	gagtatttca	acatctctca	7020
tgaattctgt	tcccatcatt	actcaagata	ttgtatgaac	agtattccac	ataaactagg	7080
tgtcaataaa	tgattgattg	gccaatggag	ggtcattatt	taatgcacta	caatctttta	7140
tgcaaggggc	ccacaggaat	cagtatgatc	ccataggaat	ccttttcttt	tccattgaaa	7200
aagaaacaga	tagtggcttg	tattaggttt	cttgtgtgtg	ttgtgaggtg	gaaagatatg	7260
aaaagaaatt	tgatcagagc	ataaatctga	gcccattggg	taggaaagaa	tgaggggaata	7320
aggaagaaaa	cacagattat	agacaggaaa	atcaaacctc	ttaaaactga	taattttcga	7380
atactaaaaa	tgtacattca	tttgaacaaa	ttgtacttat	aaagcaagat	ttctctgttc	7440
ttaccagcac	taccatgccc	aaactacctt	aggaaatgaa	tagcagagtc	aaacttaaaa	7500
gcacctgaaa	tttaaaacaa	aaaccaattt	acattttatt	taagaaaagc	aaacagatgg	7560
gcctgctaac	aatgtcaaaag	tctcgtttac	aaagaaaaaa	acaaatctgg	aacctgaagt	7620
caaacgagtt	caaaaataaaa	agcaaaccac	taaacagaaa	ccaacataaa	cagaagttac	7680
taccactctc	ctcagcctgt	gaaattctgg	aacttctctt	tctttctcgc	cttcttcttc	7740
tctcacctgg	aagacgagca	gagtgaacac	atcaggggtt	gtcagttccc	cagatggcac	7800
cacattcata	aaccaccgac	tccaggagaa	tgtaggaagc	ttagttaagg	ccaaagttct	7860
ctttggatct	tcctcatggg	cttcaaggca	aaagaaaaaa	aagtttgctt	gagaatatct	7920
tcatatctat	tagtttgaac	catgcaaaat	tacagttttt	ataggtaaaa	tgagtgcata	7980
ttggcaattt	caaatgatta	accctaatac	attatgcttt	tgggtataga	aatattcaga	8040
tcttaaacat	atgctgtttac	atacaaaatc	aggttatatt	ctgcttctat	aattaaagca	8100
aagagaattt	cttttgggtca	ctactccttc	tgacatgagg	tatgaaccaa	gttcaggacc	8160
cctaaaggtc	tgggtctggg	tcatttctcc	acctctaact	tgtgccgctt	tcttggctcag	8220
tcattgtgtt	ctgagctgtc	tcataaaaca	tctgctatga	ctttactttc	tcctgatagg	8280
gtggctttcc	atcgttggca	cttcgttggc	cttatttggt	tgctttatac	actggttctc	8340
gtttccaaat	tggcattatt	attgttatga	ttcctgctgc	tctcccacat	ttcccatctt	8400
tctcctgatc	tctctcacct	tacattttct	tacattttct	cctgtgcttc	cttcttccca	8460
tcattcattgc	ccaagtgtgt	cttctttctt	ctccttgtca	catttccttt	gcccgtcttc	8520
acatatgcag	agatggctct	tggttttcct	tctgaaatct	catagtttgg	aggtaaactt	8580
gttagcaagg	ccactgagaa	gagaacaaaa	gggaaacata	agagaaacca	agtcactatc	8640
tctctcattt	cctggtttct	agaagtaaga	cccaaagaac	tactgtttc	agtgttttca	8700
gctcaggcca	aactagggtg	atcaaactga	gcttctgagt	gctgatcaaa	acctataaaa	8760
ccaagtagac	agaccatcta	caaatcttca	ctgttaaata	ccataaagaa	tgaaaagggtc	8820
actaattggg	aagactatat	gtgtgataat	taaatttatg	catcaacctg	gctaggctaa	8880
aggatgacca	ggtagctggg	aaaacattat	tctgggtgtg	tccataagag	tgttttcggg	8940
agagatcagc	atttgaattg	gtgaacttag	taaagcagac	ggctctcacc	aataaggggc	9000
ggcatcatcc	aatctgtcga	aagcttgaat	aaaacaaaaa	gaggaaggga	aaatttgctt	9060
cttttcttct	tgatctagta	tatcatcttc	tcctggcctt	ggatgtgagt	gggccttcag	9120
acttaaacca	ggagtgtacac	ctttggcttc	cctgggtctc	agttctttgg	acttggtactg	9180
aattacactg	ccaggtttcc	tggttctcca	gcttgcagat	ggcagatcat	gggacttctt	9240
ggcctccata	attgtgtgag	tcaatttcca	ttttatttac	atatccagtt	atgcattgct	9300
taacaatgga	gacaggttct	gagaaatgca	ttgttaagtg	atttcatcat	tgtgcaaaaca	9360
tcatagagtg	taactacaca	aacctggaca	gcatagacta	ctacacatct	aggctacatg	9420

## 34546 - SEQLIST.TXT

gtgtagcttg	taacctcatg	ataagtatgt	ataacatcat	gataagtatg	tatgtatcta	9480
ccatatctaa	atgtagaaaa	ggtagagtaa	aaatatggta	taatcttatg	ggatcaccat	9540
catatatgca	atccttttgta	gactgaaatg	tcattgtgta	gtgcatgact	gtatacgcac	9600
acatacacaa	acacacacaa	atatactatt	ggttcttttt	ctctgaagag	ccctaataca	9660
atatgttata	cattttatatt	gactctattt	caaaatttat	ggttttgggtg	aaacatatgt	9720
ggagatgggg	cataggtgtg	tgaactggga	tagtgtcctg	ctgatgaatg	ggtagggaggc	9780
atcatttggtg	acaagcccag	ggcatcagct	tatagatata	aagagctcaa	caagagcact	9840
ttatggcaaa	acctcccaca	agacctctca	gaagttgaga	aactgctaaa	agtttcttta	9900
tgacagatga	cattttatgga	taaaataggg	attagcagga	ttctttaaat	actttcgaac	9960
actaaccttc	attttctacca	ggcagtgggg	ccccaaagtgc	agggccatag	gaagtacaag	10020
tctgggagat	actaggtctg	actgtctgta	gagaatctga	aaaaataata	gagtcactga	10080
aatgcagttt	gggtataatta	ttgccatgca	tcataattct	aaatcatact	agtgggtcaaa	10140
tactcttccc	tgaaaaaaca	ttttcttggg	ttgaattcta	aataattgtt	gtggtcacca	10200
ctgagctttt	aaatatataa	atactttcaa	gtttgcatat	ttttattacc	tgttccttaa	10260
caaacattga	attcaacatg	aaaatgatta	tgggaaacat	tcgggtatac	agtccttgac	10320
tccttaaggac	tcaggtaaat	acttagggta	tttcatggcc	ctagtctttg	gggtaccaca	10380
tgtttcttct	tcaaatcaca	gattcaaaat	caagaatgat	aacacagtga	ttgtgtagac	10440
aaaataagtg	aaccaaaatt	gcttgcttct	gtcatttctat	ggaaccactg	agagttttta	10500
cttgtgctta	aaattttgaa	tagtaaaaca	gagtggtcaac	ttcatgtctg	aatatttttg	10560
gctttttaga	cacaatttta	agtacatgaa	gtatttttac	aagactaagt	aacatcactg	10620
aaattacagc	tttcttcttt	ttaaaactgg	tatttggtat	aaaactaaag	agcgaatcaa	10680
gaaaagcata	attattactg	attattacag	gattattact	gaaaaagaaa	tgtacggaat	10740
agaggaggaa	ggagttaaca	aatgatccac	tctgggtgtt	gaaaacacca	ataagcctgc	10800
ttccaggaag	tgcctaagac	agagctggct	cagcttgctg	ggtcacagca	tgtaaggaaa	10860
ctgctgggct	acatgccacc	atcctcagtt	gtccagatag	ataatcccat	agccccatgg	10920
ggaaataatc	tttaattatg	atatagctga	caccattcaa	agcactatgc	taagtccttt	10980
atgtgaatta	acttttgta	aatttatttt	tcataaataa	cccaaataatg	tataccacta	11040
ttatcctacc	ttaaagagga	gaaactgagc	tcctaaagtt	taaatatcta	acccaagtta	11100
agactgctag	tcaccctagg	ctattaactc	aggcagtcta	actcaggtat	aataacatta	11160
tgctactgtt	tgcagctttg	actatgcctg	aattataacg	tcatgctatc	taactaaaaa	11220
gctaagggaa	ataaaatgag	ccatagggct	caatttcata	aaaggagaga	aaatactggg	11280
gaaaagtgat	aatgcagagt	ttaaaatatt	tttgtaaaag	tgccagagat	tgagtataac	11340
aagtgtgacc	aaaaaaaaaa	aaaaaaaaaa	aaaagggaaga	aggtaaaaaa	aagagggagg	11400
tctgagaaat	agaaatatca	gaggaaggaa	ataaaggagg	gtgagagtaa	attctctttt	11460
agcattcaga	ttccacagat	tccacaatc	acatttcttt	ttttaccaac	taaggaaaaa	11520
taacacttga	cctaacattt	cattgcagtt	agctaaaggga	tgctagaaaa	actatgttgc	11580
agtggtttgc	tctaatttct	tcaggaatag	agaaaagtga	caaaaagatc	agagaagaga	11640
agaaaggaaa	ctatcagaaa	aatacagaat	tggagtagga	tataacatat	ttgggttgaa	11700
ggtaaaattt	tatattgtaa	tcttaagtat	cttgctactt	cagtttggtc	cctggaacag	11760
cagcatcaga	atctgccgag	ggcttgtaa	aaaggcagaa	tctcaggtcc	catcccagac	11820
tcactgaatc	agaataaaa	tactgacaaa	atgccccggg	attcatatgc	acagtagagc	11880
tggcggaagt	ccattgtagc	ctgtgattgt	tttctgcaac	ttagtatttc	tgagttttcc	11940
caaggaagaa	aacccaggcc	ttagcttctg	gcagacttgt	gtttctcctt	tacttactag	12000
ctgcatgact	catgagcaag	gaaatcaaac	tttatgtgcc	tgagtttcct	catctataaa	12060
atggagacta	taataatcat	ctcctaggct	tgttttgagg	atgttcaaca	aatgctcctt	12120
tcattcctct	atttacagac	ctgccgcaga	caattctgct	agcagccttt	gtgctattat	12180
ctgttttcta	aacttagtaa	ttgagtgtga	tctggagact	aactctgaaa	taaataagct	12240
gattattttat	ttattttctc	aaaacaacag	aatacgattt	agcaaattac	ttcttaagat	12300
attattttac	atttctatat	tctcctaccc	tgagttgatg	tgtgagcaat	atgtcacitt	12360
cataaagcca	ggtatacatt	atggacaggt	aagtaaaaaa	catattattt	attctacggt	12420
tttggtccaaa	aattttaaat	ttcaactgtt	gcgcgtgtgt	tggtaatgta	aaacaaactc	12480
agtacagtag	tattcagtac	agtatttaag	cccctgtact	taaacatatt	cctcgtacca	12540
atgaagttac	atgaaaagca	aatttggtgtg	agatatcgta	gatggaagta	aattagtcct	12600
tatgttcccc	acaaaattgaa	atgcatttca	aaaactctgt	gtgtgtatgt	gtgtgtgtga	12660
cagagtgtgt	gtgagagaga	gacagagaga	tacgttttgg	ttgcctccat	aagctggctg	12720
ctatgattaa	taagaccaag	ttttctaaag	aaaatgagat	cataacaaaa	gccctcttta	12780
tgactatctt	ttatcagggg	caaaaaggaa	agagacaaaa	cagcatgaaa	tgatgagacc	12840
aagtgatgaa	aattcattca	caatgattgc	tttcaagagt	aatttctctt	gggtaattca	12900
gcagcctgtt	actatggctc	tctggagtga	tagctaattg	aaatgaagcc	tctaaaagtg	12960
gattatcctg	acaagaatat	actcagccaa	taatgcaaca	gaaatccatt	caaagcattc	13020
gggaaaaatt	caaaaagaata	aatattcttt	tttttttttt	aaagttaatg	acctacgatc	13080
catttcttcc	ctgactaaca	agcagcaagc	acttaaaaaa	atccagccag	gatgaaatag	13140
aaaccacact	gacttggttaa	tatttttgtt	tggtcccagg	gactcagatt	ctaagccaaa	13200

## 34546 - SEQLIST.TXT

ttctttgaat	gatcttggca	aatgtctcga	attatttttg	ccaacttttc	tttatcttgg	13260
aaaaaaagtt	tcatgaatgg	gtgtcaaaat	tgattagttt	taaaaacctt	tcttgcagat	13320
acgtatggca	ccctaaaact	gtattagaaa	aaaagtaagt	actctgtagt	gtgaaaaatt	13380
cttaaaggac	accctctttt	acaaactcac	aaaaacagcc	tttgggaatac	ccacatgaag	13440
tagctgttgt	tattgctttc	tatataccta	catcttgtct	attataaaaa	gactgggttt	13500
tggcaggtgt	ggtggctcac	acctgtaatt	ccagcacttt	gggaggccaa	ggcgggcgga	13560
tcacctgaga	tcaggagttc	aggaccagcc	tgatcaatat	ggtgaaaccc	agtctttact	13620
gaaaatacaa	aaatcacccg	ggtgtggtga	cgggcgcctg	tagtcccagc	tactcgggta	13680
gctgaggcag	gagaatcact	tgaactcagg	agtcagaggt	tgcagtgagc	tgagatcatg	13740
ccactgcact	ccagcctggg	tgacagagca	agactccatc	tcaaaaaaaa	aaaaaaaaaa	13800
gactgggttt	tcaacagcta	ttcccacccc	tctgcattga	aatattcacc	cagtcaattg	13860
ttttcctagt	ttgggtaatg	gccctctggg	caggactgga	gtggggcaca	caggagaagc	13920
tgcaaactat	gtttagaagc	atgtctggga	aatgtcatgc	aagaaaagac	atattttaag	13980
gtaggctttg	catgaatgga	aaaggagagt	aattctatgt	agagcagagc	ctcttacttg	14040
cagttagaga	agcaaaaagt	gggaagcaag	aggaattatg	cttttcatca	gccaaatttg	14100
caggtaggag	gatttggtca	gtcatcttgg	ctgaggctca	tgaaccagg	tgtaaagaaa	14160
gtggactaga	ttaatttcat	ccattacagg	aagaggagcc	gtgaaagata	atccagaaat	14220
catggggatt	tgatggtaga	aggatatttg	ggactattcc	atttgaaatg	agaaggtagc	14280
tgacattctt	tgaatttcct	tcaagcaaa	gattaaattt	acccatgagt	tgactcagaa	14340
aaaacataaa	aagtattggt	gctctgctca	gagttttatc	taactcattc	tcacttctta	14400
ttccatgatg	aaatgacata	aatgagggtt	tttattgttg	ttgttgttgt	tttctggaca	14460
caaggcaagg	tagctacctg	ggcagagctg	ttttatttct	ctatgccgtg	gagagaaatt	14520
ggttaattgg	ccatggaagg	cagtcattaa	gatgtttcca	tgcgagtga	ctttccagg	14580
ttcccagctt	ctgcacccct	ccctgtccct	caattccatt	gttggtagat	acaatgtctc	14640
tcccatcagc	ctcatgaagt	tctctctcat	ttattaaaat	ttgctttcag	gaaaaatttt	14700
gaaaatgtgt	ccagtaatgc	ctgattggcc	ctttatccta	aaggcttaaa	ctggaggaag	14760
gaagctaaac	tgagaaatct	tgcaaatcat	tgagccaaaa	acgtattaat	agcaagatct	14820
atcatttatt	gactagtatg	tggcaggcag	tgccctttta	tttaggcagg	gagagttagt	14880
ggggggggcg	gggttcacac	atcttaaaga	ggtgctatct	cctcctatat	aaatcatgta	14940
agtcaagaga	gtaagggaatt	gtctttgttt	ggttatattc	aggggattag	agtatacagt	15000
agaagatccc	aagaaacctt	gggatcattt	tagactaaga	aatgccaaata	ccgccgggcg	15060
cggtggctca	cgctgtaat	cccagcactt	tgagaggccg	aggtgggcgg	atcacaagg	15120
caggagattg	agaccgtcct	ggctaacgtg	gtgaaaccc	gtctctacta	aaaatacaaa	15180
aaattagccg	ggcgtggtgg	cgggcgcctg	tagtcccagc	tactcgggag	gcggaggcag	15240
gagaattggt	tgaactcagg	agggcgagct	tgcagtcagc	cgagattgcc	ccaatgcact	15300
ccagcctggg	cgacagaacg	agactccgtc	tcagaacaaa	acaaaaggaa	atgccaatat	15360
cagcagaaat	agagccaaat	catgaacata	agctaaacaa	atgttggcag	tgtagcctag	15420
tggttaagag	agcagactct	taactagaac	actgcactcc	atgtcctcac	tgtagaccct	15480
cactgtgggg	ttctaattaa	cccctgttac	ttaccagtgg	cagtcttaag	gcattcctta	15540
agttcggtgt	gccccaat	gttcatctgt	agaagggtga	ggatgacagt	agtgtttact	15600
ttatagctct	actgtgagca	ttaaattgag	tactactgta	tttgtaaagt	gcttaaaatg	15660
ctgtctccaa	agagtttgtt	aaacacttaa	gaactgattt	acttgcattc	aaactgacag	15720
ctctcaataa	ctggaaatga	tcaagcatag	gccctggaat	ataagcagg	ctacatgaag	15780
gcaaaaatgt	tcgtttcttt	tgttcagccc	tgtgcctaga	tcaatatcta	gtgatcatgc	15840
tcaagaaata	ttgttgaatg	aatcaatgaa	cctaccgagg	tagttacata	aaagagttct	15900
gcatgagtac	aaatctgggc	aaagtgcact	ccaaggaaat	ttccactttt	agattctgtg	15960
atttccttaa	ggaactgata	aattgggtgt	atacaatgta	aaaaaatgtg	cctatatgat	16020
ttgagaaaaa	cttattttct	ctccctcttt	tttcccttct	tccttccctc	ctcccttctc	16080
tccttctctc	ctcccttctc	tccttccctc	ctcccttctc	tccttctctt	tcttcttttc	16140
tttctttctt	tcttcttttc	tttctttctt	tcttcttttc	tttctttctt	cttcttctct	16200
tccttctctt	cttctttctt	ttgtgccttt	cttctttctt	ttcttcttct	tctgtccttt	16260
cttcttctct	ttcttcttct	ctgcctttct	ttcttcttct	tttcttcttct	ttccttcttct	16320
tttcttctta	gcagaccatg	tctgttagat	gaatgccttt	ttctagttaa	aagggttaaac	16380
aggaaagtga	agcacaatta	tcaagggtct	ccagtcattc	ccacatgttc	ttaatcatta	16440
tcttctttta	cagtttcata	tctccaggcc	tttcattggg	tcagggtggc	atttcgctgc	16500
cctttatgtg	tgtgacaagt	gaaaataagg	aaagaaaaaa	actcaagtga	agaaaatcag	16560
aatctgcgca	gcagttcctg	ggcgtttcag	ctgcttccca	catcacctgc	ctcatcaagc	16620
ccagcatccc	atctccttgc	tcactcttaca	ccctgtgtgc	atgacaggcc	caccattcat	16680
ttatcagagc	aaaggctctc	ccactattct	gggttccccc	cctacttagc	cagatataca	16740
agaatatctg	cacggatgac	ctgcctcacc	tgggagctca	gaggagctca	gattccatta	16800
ctatcgcacc	aaggacagat	ctcccagcaa	gaatgacaga	aaagactaac	tgcccccata	16860
atctcccttc	caaaaacacag	ttctcttaat	tctcccaaga	aaccagaatg	tgactgctca	16920
cctctctaag	gacctgaaaa	caactggcca	tttcagctat	ttaaataaac	tttaaaaaat	16980

34546 - SEQLIST.TXT

ccaaccgcc	aaatattaaa	ccattttggt	tggaatgata	acataactaa	cctgctgaca	17040
gctgcttctg	ctaggtgcaa	aaatggaaaa	aaaaatactt	ctaatacagg	caaatacact	17100
tacctttggg	attctaaatt	tactcatatt	ctcaaagaaa	tataatcagt	catagtgggg	17160
aaaataggat	tattccttta	gctcgataag	caaccagaag	ttcttccttc	aaatcttgac	17220
atttaaatcaa	tcagaaattg	atTTTTtgaa	aactgtttcc	tatgaagcta	tctctgcctg	17280
aaggattttt	cttttacaat	ccagactata	gaaggaaatt	cacaacctgg	actttcacct	17340
ccattgggtca	gagttttact	gaccaattcc	cacctctgcc	ttacacctaa	cggaagttaa	17400
tgctgtttt	ctcttcacat	acccaacag	ttacaaatgg	ttgttattat	taagcatctt	17460
ttattttgtg	gcctctgatt	acatgggtccc	ctaaattttg	acctaatac	aaaagattgg	17520
taaaatttct	taacatatta	ataatatatt	gtttatgtgt	caatatctta	gcatgtatca	17580
attaagacag	aggctttaac	gttctctttt	tgaaagagaa	tattaggatt	cagagatatt	17640
aagagattct	cccaggatca	cagttaggta	acagagctgg	atTTtagtcc	aggctctgtc	17700
acagctctaa	cgtatataca	ccctttgtat	aacatgtcac	gaattcagca	taaagggatc	17760
ttcagtgatc	taagtcaagg	gtcagcaacc	ttttctaaaa	aggaccaa	agtaatat	17820
caggctttgt	ggaccctatg	gtctctatca	taactgttca	aatcaccatg	tagtgtaaaa	17880
ggagccataa	gcaaaaatata	aactaacgaa	tgtggctggt	ttatgggatt	tttttttaac	17940
tccttattta	caaaaagcagg	tggcagatca	gaactcactt	atggggcata	gttctctgac	18000
ccctgacctg	agaaaaatctt	atatTTtatgg	acaacattta	gactgtgact	tgccaagtaa	18060
gaacaagaag	ctctgtcaac	tgaagggtcaa	ggctggaggt	ctgaaagcaa	agagctgtct	18120
ggtgttaaatg	ataagtga	tagttaaagt	tagaagatcc	cagttataag	aagcacaaag	18180
aataatgacc	atagactcct	gaacaagaat	gtctggactt	ctggcttagg	cactcttggt	18240
gtatgggtcca	ggccaagtta	cctaattctct	ccaggcctcc	atTTtcttat	cattaaatga	18300
agataataaaa	agtattttcc	tcagagagct	gtaagaataa	actgagctaa	cccatgtcaa	18360
gcacatagaa	tagggcccag	cctatatata	tttatcaata	aatgccagct	acataattagt	18420
tctctatatt	tttattcatt	atcataaaa	gtttatctac	agattggcat	tgtaaggatg	18480
gagttaaaat	tgtatgtatg	tgaaggga	ttattcctgt	tactattgat	ctgcatcaca	18540
ttaccccaaa	tttgatggct	taaagtaaca	acattcattt	tgcaaacaaa	tttgaaattt	18600
gaggagggct	tgtctgggaa	gacttgtctc	tgccctatgt	gggtatcagca	gggggagggt	18660
tgacggactg	gcacatgccc	ttccagaatg	gcccactcgc	atgcctgcca	agttgggtgt	18720
ggctcttggc	tggggagctca	gctggggctg	agtgtctagg	tccctgggag	gttccttggt	18780
gcctgaactt	cctcaccaca	aggcggctgc	gggtgcgagag	tgagcatttc	aagatagagc	18840
caagatgaca	ctgtattact	gtgtaagacc	cagcctggga	attaatgtag	cctcacttcc	18900
atcccactct	atTTttaaaa	agtgaattat	taaggtcacc	ccatattcaa	ggggatagga	18960
attagacttc	atctgtatta	agaaaaatgt	ttttaaaa	tgtagacatg	ttttaaaatt	19020
ctaaagtcca	cttactggct	gcagattatt	tatatataca	tgcaagatac	actcctacat	19080
tctcttctta	gaaggctcag	ttgcaggtag	agatgaagct	cttcaagtga	gatttcttat	19140
gtattttatcc	tctcaatctg	aagacttgta	aactaagaga	caagttattt	gcaacctaca	19200
tacgcaatat	tcaatggtaa	agtatacata	ggacagccac	tacagacact	cttgttttta	19260
atagaggaaa	atgagagcac	ataacagtca	ttggctcata	gcaactctga	tatccagaca	19320
gcaaacacaa	gcagggtctt	tttttaggtct	cagtcctact	gcctggattc	cctactgctc	19380
ttgggtcttc	cctccaggtt	cttgggttct	ggacctcttt	tcattttaata	ctatttctgt	19440
tcctttaagt	tcaagctggc	aaaatatgat	tgtacaattc	tgtttaaaat	tccaggactt	19500
cctgtgatct	ttattgggga	atactccatt	agacaagaat	ctctttgaca	taagccattc	19560
tctacctgag	atccctgtaa	ggctgtgatg	ggaccacata	accttaaaat	tattagaaga	19620
ctcattgttt	actgagagaa	tatgcctagc	atatgcttag	atccttagag	gaactctgtt	19680
tcaaagggct	tatgagacat	taccttatat	ctttctaagg	tacaaacaaa	aggctctttg	19740
cttttgagtt	tgatctttga	gctgacacct	tttcttaatt	tgagaatccc	ctgctctatg	19800
gagagactga	caaagagaaa	tagttttata	tttgaatgta	acatcttgga	tcTTtaatag	19860
attatcttaa	aatTTtcctg	aaaatgtaac	agttcctttt	tttaaaattc	attctcccta	19920
cacacttatt	atatatgact	aaaagaaact	ccctggcatt	ttcaacattc	tggttagaat	19980
ttttcttagc	ccaatctac					19999

<210> 2  
 <211> 3893  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> short version of mRNA

## 34546 - SEQLIST.TXT

&lt;400&gt; 2

```

atcagaggaa ggaaataaag gaggggtgaga gtaaattctc ttttagcatt cagattccac 60
agattccaca aatcacattt cttttttttac caactaagga aaaataacac ttgacctaac 120
atttcattgc agtttagctaa aggatgctag aaaaactatg ttgcagtggg ttgctctaata 180
ttcttcagga atagagaaaa gtgacaaaaa gatcagagaa gagaagaaaag gaaactatca 240
gaaaaatata gaattggagt aggatataac atatttgggt tgaaggtaaa attttatatt 300
gtaatcttaa gtatcttgct acttcagttt ggtccctgga acagcagcat cagaatctgc 360
cgagggtctg ttaaaaaggc agaatctcag gtcccatccc agactcactg aatcagaata 420
taaatactga caagatgccc cggtgattcat atgcacagta gagctggcga agttccattg 480
tagcctgtga ttgttttctg caacttagta tttctgagtt ttccaagga agaaaaccca 540
ggccttagct tctggcagac ttgtgtttct cttttactta ctagtgcac gactcatgag 600
caaggaaaatc aaacttttatg tgcctgagtt tcctcatcta taaaatggag actataataa 660
tcatctccta ggcttggttt gaggatgttc aacaaatgct cttttcattc ctctatttac 720
agacctgccg cagacaattc tgctagcagc ctttgtgcta ttatctgttt tctaaactta 780
gtaattgagt gtgatctgga gactaactct gaaataaata agctgattat ttattttatt 840
tctcaaaaac acagaatacg atttagcaaa ttacttctta agatattatt ttacatttct 900
atatttccct accctgagtt gatgtgtgag caatatgtca ctttcataaa gccaggata 960
cattatggac aggttaagtaa aaaacataatt atttttcta cgtttttgtc caaaaatttt 1020
aaatttcaac tgttgcgctg gtgttggtta tgtaaaacaa actcagtaca gtagtattca 1080
gtacagtatt taagcccctg tacttaacaa tattcctcgt accaatgaag ttacatgaaa 1140
agcaaatttg tgtgagatat cgtagatgga agtaaaattag tctttatgtt cccacaaaat 1200
tgaaatgcat ttcaaaaact ctgtgtgtgt atgtgtgtgt gtgacagagt gtgtgtgaga 1260
gagagacaga gagatacgct ttggttgctc ccataagctg gctgctatga ttaataagac 1320
caagttttct cttttttttt ttttaagttt aaaagccctc tttatgacta tcttttatca 1380
ggggcaaaaa ggaaagagac aaaaacagcat gaaatgatga gaccaagtga tgaaaattca 1440
ttcacaatga ttgctttcaa gagtaatttc tcttgggtta ttcagcagcc tgttactatg 1500
gctctctgga gtgatagcta atgtaaatga agcctctaaa agtggattat cctgacaaga 1560
ataactcag ccaataatgc aacagaaatc cattcaaagc attcgggaaa aattcaaaag 1620
aataaatatt cttttttttt ttttaagttt aatgacctac gatccatttc tcccctgact 1680
aacaagcagc aagcacttaa aaatatccag ccaggatgaa atagaaaccc acctgacttg 1740
ttaatatatt tgtttggtcc cagggactca gattctaagc caaattcttt gaatgatctt 1800
ggcaaatgtc tcgaattatt ttigccaact tttctttatc ttggaaaaaa agtttcatga 1860
atgggtgtca aaattgatta gttttaaaaa cttttcttgc agatacgat ggccacctaa 1920
aactgtatta gaaaaaaatt tcatatctcc aggcctttca ttgggtcagg ttggcatttc 1980
gctgcccctt atgtgtgtga caagtgaaaa taaggaaaaga aaaaaactca agtgaagaaa 2040
atcagaatct gcgcagcagt tcctgggcgt ttcagctgct tcccacatca cctgcctcat 2100
caagccccag catccatctc cttgctcatc ttacaccctg tgtgcatgac agggccacca 2160
ttcattttatc agagcaaaagg ctctcccaact attctggttc acccccctac ttagccagat 2220
atacaagaat atctgcacgg atgacctgcc tcacctggga gctcagagga gctcagattc 2280
cattactatc gcaccaagga cagatctccc agcaagaatg acagaaaaga ctaactgccc 2340
ccaaaatctc ctttccaaaa cacagttctc ttaattctcc caagaaacca gaatgtgact 2400
gctcacctct ctaaggacct gaaaacaact ggccatttca gctattttaa tcaactttaa 2460
aaaatccaac cgccaaaata ttaaaccatt ttggttgga tgataacata actaacctgc 2520
tgacagctgc ttctgctagg tgcaaaaatg gaaaaaaaata tacttctaata cagggtcaaat 2580
cactctacct ttgggattct aaatttactc atattctcaa agaaatataat tcagtcataag 2640
tggggaaaaa aggattattc ctttagctcg ataagcaacc agaagttctt ctttcaaatc 2700
ttgacattta atcaatcaga aattgatttt tggaaaactg tttcctatga agctatctct 2760
gcctgaagga tttttctttt acaatccaga ctatagaagg aaattcacaa cctggacttt 2820
cacctccatt ggtcagagtt ttactgacca attcccacct ctgccttaca cctaacggaa 2880
gtttatgcct gttttctctt cacatacccc aacagttaca aatgggtgtt attattaagc 2940
atcttttatt ttgtggcctc tgattacatg gtcccctaaa ttttgaccta atcacaaaag 3000
attgtaataa ttctttaaca tattaataat attttgttta tgtgtcaata tcttagcatg 3060
tatcaattaa gaacaggttc ttaacgttct ctttttgaaa gagaatatta ggattcagag 3120
atattaagag attctcccag gatcacagtt aggtaacaga gctggatttt agtccaggctc 3180
tgtctacagc tctaactgat atacaccctt tgtataacat gtcacgaatt cagcataaag 3240
ggatcttcag tgatctaagt caggggtcag caaccttttc taaaaaggac caaatagtaa 3300
tatttcaggc tttgtggacc ctatggtctc tatcataact gttcaaatca ccatgtagtg 3360
taaaaggagc cataagcaaa atataaacta acgaatgtgg ctgttttatg ggattttttt 3420
ttaactcttt atttacaaaa gcagggtggca gacagaactc cacttatggg ccatagttct 3480
ctgacccttg acctgagaaa atcttatatt tatggacaac atttagactg tgacttgcca 3540
agtaagaaca agaagctctg tcaactgaag gtcaaggctg gagttctgaa agcaaagagc 3600
tgtctggtgt taatgataag tgaaatagtt aaagttagaa gatcccagtt ataagaagca 3660

```



## 34546 - SEQLIST.TXT

```

caaagaataa tgaccataga ctcctgaaca agaatgtctg gacttctggc ttaggcactc 3720
ttgttgatg gtccaggcca agttacctaa tctctccagg cctccatttt cttatcatta 3780
aatgaagata ataaaagtat tttcctcaga gagctgtaag aataaactga gctaaccat 3840
gtcaagcaca tagaataggg cccagcctat attaatttat caataaatgc cag 3893

```

<210> 3  
 <211> 121  
 <212> PRT  
 <213> peptide

<220>  
 <221> PEPTIDE  
 <222> (0)...(0)

<400> 3

Met	Phe	Asn	Lys	Cys	Ser	Phe	His	Ser	Ser	Ile	Tyr	Arg	Pro	Ala	Ala
1				5					10					15	
Asp	Asn	Ser	Ala	Ser	Ser	Leu	Cys	Ala	Ile	Ile	Cys	Phe	Leu	Asn	Leu
			20					25					30		
Val	Ile	Glu	Cys	Asp	Leu	Glu	Thr	Asn	Ser	Glu	Ile	Asn	Lys	Leu	Ile
		35					40					45			
Ile	Tyr	Leu	Phe	Ser	Gln	Asn	Asn	Arg	Ile	Arg	Phe	Ser	Lys	Leu	Leu
	50					55					60				
Leu	Lys	Ile	Leu	Phe	Tyr	Ile	Ser	Ile	Phe	Ser	Tyr	Pro	Glu	Leu	Met
65					70				75					80	
Cys	Glu	Gln	Tyr	Val	Thr	Phe	Ile	Lys	Pro	Gly	Ile	His	Tyr	Gly	Gln
				85				90						95	
Val	Ser	Lys	Lys	His	Ile	Ile	Tyr	Ser	Thr	Phe	Leu	Ser	Lys	Asn	Phe
			100					105					110		
Lys	Phe	Gln	Leu	Leu	Arg	Val	Cys	Trp							
		115					120								

<210> 4  
 <211> 6209  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> long version of mRNA

<400> 4

ggatgtgagt	gggccttcag	acttaaacca	ggagttacac	ctttggcttc	cctggttctc	60
agttctttgg	acttggaactg	aattacactg	ccagggtttcc	tggttctcca	gcttgcatat	120
ggcagatcat	gggacttctt	ggcctccata	attgtgtgag	tcaatttcca	ttttatttac	180
atatccagtt	atgcattgct	taacaatgga	gacaggttct	gagaaatgca	ttgttaagtg	240
atttcatcat	tgtgcaaaca	tcataagagt	taactacaca	aacctggaca	gcatagacta	300
ctacacatct	agggtacatg	gtgtagcttg	taacctcatg	ataagtatgt	ataacatcat	360
gataagtatg	tatgtatcta	ccatatctaa	atgtagaaaa	ggtacagtaa	aaatatggta	420
taatcttatg	ggatcaccat	catatatgca	atcctttgta	gactgaaatg	tcattgtgta	480
gtgcatgact	gtatacgcac	acatacacaa	acacacacaa	atatactatt	ggttcttttt	540
ctctgaagag	ccctaataca	atatgttata	catttatatt	gactctattt	caaaaatttat	600
ggttttggtg	aaacatatgt	ggagatgggg	cataggtgtg	tgaactggga	tagtgtcctg	660
ctgatgaatg	ggtgggaggc	atcatttggg	acaagcccag	ggcatcagct	tatagatatc	720
aagagctcaa	caagagcact	ttatggcaaa	acctcccaca	agacctctca	gaagttgaga	780
aactgctaaa	agtttcttta	tgacagatga	catttatgga	taaaataggg	attagcagga	840
ttctttaaat	actttcgaac	actaaccttc	atttctacca	ggcagtgggg	ccccaagtgc	900
agggccatag	gaagtacaag	tctgggagat	actaggctgc	actgtctgta	gagaatctga	960
aaaaataata	gagtcactga	aatgcagttt	ggtataatta	ttgccatgca	tcataattct	1020
aaatcatact	agtggcctaa	tactcttccc	tgaaaaaaca	ttttcttggt	ttgaattcta	1080
aataattggt	gtgggtcacca	ctgagctttt	aaatatataa	atactttcaa	gtttgcatat	1140



## 34546 - SEQLIST.TXT

ttttattacc	tggttccttaa	caaacattga	attcaacatg	aaaatgatta	tgggaaacat	1200
tcgggtatac	agtccttgac	tcttaaggac	tcaggtaaat	acttagggta	tttcatggcc	1260
ctagtctttg	gggtaccaca	tggttcttct	tcaaatacaca	gattcaaaat	caagaatgat	1320
aacacagtg	ttgtgtagac	aaaataagtg	aaccaaatt	gcttgcttct	gtcattctat	1380
ggaaccactg	agagttttta	cttggtgcta	aaattttgaa	tagtaaaaca	gagtgtaaac	1440
ttcatgctgg	aataattttt	gctttttaga	cacaatttta	agtacatgaa	gtatttttac	1500
aagactaagt	aacatcactg	aaattacagc	tttcttcttt	ttaaaactgg	tatttgttat	1560
aaaactaaag	agcgaatcaa	gaaaagcata	attattactg	attattacag	gattattact	1620
gaaaaagaaa	tgtacggaat	agaggaggaa	ggagttaaca	aatgatccac	tctgggtggt	1680
gaaaacacca	ataagcctgc	ttccaggaag	tgccctaagac	agagctggct	cagcttgctg	1740
ggtcacagca	tgttaggaaa	ctgctgggct	acatgccacc	atcctcagtt	gtccagatag	1800
ataatcccat	agccccatgg	ggaaataatc	tttaattatg	atatagctga	caccattcaa	1860
agcactatgc	taagtccctt	atgtgaatta	acttttgta	aatattttt	tcataaataa	1920
cccaaatatg	tataccacta	ttatcctacc	ttaaagagga	gaaactgagc	tcctaaagtt	1980
taaatatcta	acccaagtta	agactgctag	tcaccctagg	ctattaactc	aggcagtcta	2040
actcaggtat	aataacatta	tgctactggt	tgacagcttg	actatgcctg	aattataacg	2100
tcatgctatc	taactaaaaa	gctaagggaa	ataaaatgag	ccatagggct	caatttcata	2160
aaaggagaga	aaatactggg	gaaaagtgat	aatgcagagt	ttaaaatatt	tttgtaaaag	2220
tgccagagat	tgagtataac	aagtgtgacc	aaaaaaaaaa	aaaaaaaaaa	aaaaggaaga	2280
aggtaaaaaa	aagaggagg	tctgagaaat	agaaatatca	gaggaaggaa	ataaaggagg	2340
gtgagagtaa	attctctttt	agcattcaga	ttccacagat	tccacaaatc	acatttcttt	2400
ttttaccaac	taaggaaaaa	taacacttga	cctaacattt	cattgcagtt	agctaaagga	2460
tgctagaaaa	actatgttgc	agtgttttgc	tctaatttct	tcaggaatag	agaaaagtga	2520
caaaaagatc	agagaagaga	agaaaggaaa	ctatcagaaa	aatacagaat	tggagttaga	2580
tataacatat	ttgggttgaa	ggtaaaattt	tatatgttaa	tcttaagtat	cttgctactt	2640
cagtttggtc	cctggaacag	cagcatcaga	atctgccgag	ggcttggtta	aaaggcagaa	2700
tctcaggtcc	catcccagac	tcactgaatc	agaatataaa	tactgacaag	atgccccggg	2760
attcatatgc	acagtagagc	tggcgaagtt	ccattgtagc	ctgtgattgt	tttctgcaac	2820
ttagtatttc	tgagttttcc	caaggagaaa	aacccaggcc	ttagcttctg	gcagacttgc	2880
gtttctcctt	tacttactag	ctgcatgact	catgagcaag	gaaatcaaac	tttatgtgcc	2940
tgagtttctt	catctataaa	atggagacta	taataatcat	ctcctaggct	tgttttgagg	3000
atgttcaaca	aatgctcctt	tcattcctct	atttacagac	ctgccgcaga	caattctgct	3060
agcagccttt	gtgctattat	ctgttttcta	aacttagtaa	ttgagtgtga	tctggagact	3120
aactctgaaa	taaataagct	gattatttat	ttattttctc	aaaacaacag	aatacgattt	3180
agcaaatatc	ttcttaagat	attattttac	atttctatat	tctcctacct	tgagttgatg	3240
tgtagcaaat	atgtcacttt	cataaagcca	ggtatacatt	atggacaggt	aagtaaaaaa	3300
catattattt	attctacggt	tttgtccaaa	aatttttaaa	ttcaactgtt	gcgcgtgtgt	3360
tggtaatgta	aaacaaactc	agtacagtag	tattcagtag	agtatttaag	cccctgtact	3420
taaacatatt	cctcgtacca	atgaagttac	atgaaaagca	aatttggtgt	agatatcgta	3480
gatggaagta	aatttagtctt	tatgttcccc	acaaattgaa	atgcatttca	aaaactctgt	3540
gtgtgtatgt	gtgtgtgtga	cagagtgtgt	gtgagagaga	gacagagaga	tacgctttgg	3600
ttgcctccat	aagctggctg	ctatgattaa	taagaccaag	ttttctaaag	aaaatgagat	3660
cataacaaaa	gccctcttta	tgactatctt	ttatcagggg	caaaaaggaa	agagacaaaa	3720
cagcatgaaa	tgatgagacc	aagtgatgaa	aattcattca	caatgattgc	tttcaagagt	3780
aatttctctt	gggtaattca	gcagcctggt	actatggctc	tctggagtga	tagctaattgt	3840
aatgaagcc	tctaaaagtg	gattatcctg	acaagaatat	actcagccaa	taatgcaaca	3900
gaaatccatt	caaagcattc	gggaaaaaatt	caaaaagaata	aatatttctt	tttttttttt	3960
aaagttaatg	acctacgattc	cattttcttcc	ctgactaaca	agcagcaagc	acttaaaaaa	4020
atccagccag	gatgaaatag	aaacccacct	gacttggtta	tatttttggt	tggtcccagg	4080
gactcagatt	ctaagccaaa	ttctttgaat	gatcttggca	aatgtctcga	attatttttg	4140
ccaacttttc	tttatcttgg	aaaaaaaagt	tcatgaatgg	gtgtcaaaa	tgattagttt	4200
taaaaacctt	tcttgcatag	acgtatggca	ccctaaaact	gtattagaaa	aaaatttcat	4260
atctccaggc	ctttcatitgg	gtcaggttgg	catttctgctg	ccctttatgt	gtgtgacaag	4320
tgaaaataag	gaaagaaaaa	aactcaagtg	aagaaaaatca	gaatctgcgc	agcagttcct	4380
gggcgtttca	gctgcttccc	acatcacctg	cctcatcaag	ccccagcatc	catctccttg	4440
ctcatcttac	accctgtgtg	catgacaggc	ccaccattca	tttatcagag	caaaggctct	4500
cccactattc	tggttcaccc	ccctacttag	ccagatatata	aagaatatct	gcacggatga	4560
cctgcctcac	ctgggagctc	agaggagctc	agattccatt	actatcgcac	caaggacaga	4620
tctcccagca	agaatgacag	aaaagactaa	ctgcccccaa	aatctccctt	ccaaaaacaca	4680
gttctcttaa	ttctcccaag	aaaccagaa	gtgactgctc	acctctctaa	ggacctgaaa	4740
acaactggcc	atttcagcta	tttaaatcaa	ctttaaaaaa	tccaaccgcc	aaaatattaa	4800
accatttttg	ttggaatgat	aacataacta	acctgctgac	agctgcttct	gctaggtgca	4860
aaaatggaaa	aaaaaatact	tctaatacagg	tcaaatcact	ctacctttgg	gattctaaat	4920

## 34546 - SEQLIST.TXT

ttactcatat	tctcaaagaa	atatattcag	tcatagtggg	gaaaatagga	ttattccttt	4980
agctcgataa	gcaaccagaa	gttcttcctt	caaactctga	catttaatca	atcagaaatt	5040
gatttttggg	aaactgtttc	ctatgaagct	atctctgcct	gaaggatttt	tcttttacaa	5100
tccagactat	agaaggaaat	tcacaacctg	gactttcacc	tccattgggtc	agagttttac	5160
tgaccaattc	ccacctctgc	cttacacctt	acggaagttt	atgcctgttt	tctcttcaca	5220
tacccaaca	gttacaaatg	gttggttatta	ttaagcatct	tttattttgt	ggcctctgat	5280
tacatgggtc	cctaaatttt	gacctaatca	caaaagattg	gtaaaatttc	ttaacatatt	5340
aataatattt	tgtttatgtg	tcaatatctt	agcatgtatc	aattaagaca	gaggctctta	5400
cgttctcttt	ttgaaagaga	atattaggat	tcagagatat	taagagattc	tcccaggatc	5460
acagttaggt	aacagagctg	gatttttagt	caggctctgt	tacagctcta	acgtatatac	5520
accctttgta	taacatgtca	cgaattcagc	ataaagggat	cttcagtgat	ctaagtcagg	5580
ggtcagcaac	cttttctaaa	aaggaccaaa	tagtaatat	tcaggctttg	tggaccctat	5640
ggctctctat	ataactgttc	aaatcaccat	gtagtgtaaa	aggagccata	agcaaaatat	5700
aaactaacga	atgtggctgt	tttatgggat	ttttttttta	ctctttattt	acaaaagcag	5760
gtggcagatc	agaactcact	tatgggccat	agttctctga	cccctgacct	gagaaaatct	5820
tatatttatg	gacaacattt	agactgtgac	ttgccaaagta	agaacaagaa	gctctgtcaa	5880
ctgaaggtca	aggctggagt	tctgaaagca	aagagctgtc	tggtgttaat	gataagtga	5940
atagttaaag	ttagaagatc	ccagttataa	gaagacacaa	gaataatgac	catagactcc	6000
tgaacaagaa	tgtctggact	tctggccttag	gcactcttgt	tgtatgggtc	aggccaagtt	6060
acctaattct	tccaggcctc	cattttctta	tcattaaatg	aagataataa	aagtattttc	6120
ctcagagagc	tgtaagaata	aactgagcta	acccatgtca	agcacataga	atagggccca	6180
gcctatatta	atttatcaat	aaatgccag				6209

&lt;210&gt; 5

&lt;211&gt; 80000

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; gene

&lt;222&gt; (0)...(0)

&lt;223&gt; human genome sequence

&lt;400&gt; 5

cacacgtagg	ctacgagtgg	ccctcagcct	gcctcatcat	ggacctgtgt	tataataaat	60
atgtttaatt	gtgctgtttt	cttatagagg	aaagtccctga	tgtagttgc	cttgaagtca	120
gacacccaga	gagaatcaca	ggttttcaga	ttaattcatc	gcttgattct	tatccctgaa	180
gtcatatctc	tggatctctg	gttctcacat	tataaaatttc	aatgattctt	tttctatatg	240
gccatgtcat	tcataatcct	tgtaatatgg	ggaaactgag	gtatgaatga	catcattcaa	300
aaagcacctg	ctatgttttct	ttgccaaagca	cttcagcctt	tttctcatgt	tgctttcaaa	360
aagtcattga	aatattgttc	acatattttg	cagatgagga	aatgaatatt	caaatgcatt	420
aggtatcttg	tccaagttct	tacagccaga	aagtagagaa	atgaatttga	attacaaatc	480
ttctacctct	tggcttatgc	tcttttcatg	acactgggaa	taaatgtctg	aacaagcatg	540
acttcatgtt	tcaactattt	atcaaatact	tgttttctac	taagatcttg	cactcactca	600
gtgggatccc	ctgaagcctg	ctgattattt	gtcctttggc	atttatcact	ctctgtggga	660
ccttactctc	ctatgggtaa	gttttattgt	tattaaaagt	attatttgac	aataaatgta	720
gaaatcctac	agatcatact	caacaacatg	tctaattgtca	gcacacaatg	tctaacaatc	780
atztatgaat	actttatgtc	aaacataagc	aataacctaa	ttaagggaagg	tatttttaaat	840
aaattgacac	tttttgacat	aaccataattt	caagtggctc	cattgttttg	tttattttatt	900
tatttattta	tttattttatt	tatttttgag	aaaggggtctc	actctgttgc	ccagactgga	960
gtgcagtggc	aacatcatag	ctcactacag	cctcgacctc	tctgggctca	agcaatcctc	1020
ccatctcagc	ttcccaagta	gctgggacta	caggtgtgta	ccatcatgcc	aggctaattt	1080
ttcgtatttt	gtagagacgg	ggttttgcct	ggctgtccgg	gttgggtctca	aactcctggg	1140
tgttccgccc	accttggcct	cccaaagtgc	tgggattata	ggcatgagcc	tcaagtggct	1200
acttttttagg	gttgaaattt	atattgactg	tcaactagct	tccctagtta	gtatttgagg	1260
tctgttaact	aatttatatt	accatccaac	ttgtcaacat	ttgttgaaat	ataactgtcc	1320
tcactttttt	tggtggaaca	ttgaatacac	tttcagacta	aatttggttt	attacttaat	1380
gtcttattct	ttattagagt	taataatatt	tcttaatact	ttgccttcca	caaatgaata	1440
acttgtttgt	gatggctacc	tctttttttc	tcttagcctg	tcacaggtat	tatggataaa	1500
aatttagcacg	gctgggcaaa	aacaatgaaa	gaaatacact	tgctggggaa	agctggggag	1560
gggtaaatga	atataattca	aaataccata	tattttattca	acactgttgg	aatatatgtc	1620

## 34546 - SEQLIST.TXT

ctgttggaaa	tgtaaaagtg	acatatgttc	tcttcctggg	tctcagactt	ttaggatcta	1680
gttgagggaa	ctggacttat	acacaaaata	caattcaaca	acattatgag	ctagaaaatc	1740
catgagctaa	agtctttggc	aaagacatta	ggtaacatga	ggagtcagga	aaaggagaaa	1800
ttactgtggg	ctggaatggt	ctgggaacat	gagatggagg	aagtggcttg	ttactggaga	1860
aaggatgagg	ttcaaagaga	tgggaaaaaa	agaaagagag	aagaaagaaa	agaaatgagg	1920
aaaaacaagt	tgccagaaaag	aacaagggaag	aatagaggca	ggtaagcagt	ggattttgcc	1980
ctaggggaagg	taatataact	agagacggca	gtttctaaca	ggccatgatg	aataagatac	2040
actttagccc	tcattggtac	gtgcagaaat	tcaaatttgg	aaattcaagc	ttacatgaca	2100
gtaaatatat	gttgggaaaa	aaataaccgg	taaacattta	catcagctct	ttttcctaaa	2160
gagaaacctt	ttccatgcta	tgaatatatt	gtcacaattc	tgttttcaaa	atacttgctc	2220
tacttttcca	agccacaaga	ggaaacattt	tctctgccaa	cactctctga	ccttaaccag	2280
tttctccact	acgtctactc	tttagctctc	tttagagctg	tgtgtatctc	gtctttatgt	2340
aaacctccta	gatgatatac	ttatggaaat	attcaggcaa	ctttttcatg	aactttacca	2400
ggaaagacat	ttctagcagg	agagcatgaa	tagaaatgga	ctcttcccca	gtctctgctg	2460
ggttctgact	gtggctcactc	taactataaa	aagtgtgtaa	aatcatgag	cagattattt	2520
catttccctg	gggtccctaa	aaatttcaag	gtatctgtat	tagcacagga	agattttaa	2580
tgatttctca	acacattcag	atatcttatt	aactttatta	agataaattt	cctccagcat	2640
tcagaaactc	atatattaca	gaataaaaaa	taaagcagaa	aattagtgt	cctggctaaa	2700
aatgagagca	gggttctatt	tcattttgga	aagtcactaa	gacagtaata	ataccattaa	2760
tgataaaatg	ttaacattag	ttaattatta	gatgtgtttt	tgtatgccag	ccacataata	2820
tatactttta	tatgtatcac	ctacatttct	agatgtaaat	gtgagggaa	tatagtagta	2880
tctacctcgt	atgatttgctg	gatgatttaa	atgagctggt	gtctcaaaaa	cttggtatag	2940
aaagcagaaa	cttttagtta	ttaagattct	tactattcca	atatttgaat	aaaacagtga	3000
cctgctaaga	aaccccaata	atattctgat	acatcaaaac	cttctggcat	tagatgtttc	3060
taatctaaca	tcttcatatt	aattttttta	tgttttgatt	atctacattc	agtagtgaat	3120
gtgtttctaa	acgctggatg	catttttaac	taaagtgtgt	ttgtaccaca	ttttgacaac	3180
ttttgtttta	actatgattc	agcttataac	aaaacaaaac	aatgcattct	ctctccactg	3240
ttaataaggt	taatgaaaag	ttgacttatg	aaaaaaatcc	taatttatgc	acatttctcat	3300
tgttttcctt	gctaaggata	ttagtacttg	acgattctgt	aacaaagaat	tatcatggga	3360
tgaaactttg	atgcaaatat	cttatcaata	caatgtgctt	gattttacct	agatgagatt	3420
tttcttttct	tctttctttt	ttgagacagg	gttttgctgt	gttaccacag	ctagcctcaa	3480
acctctggcc	cctggcctca	agtgatccctc	tcacctctgc	ctcccaaagt	gctgggtatt	3540
acagatgtga	gtcactgaat	ccagcctcac	ttagttggct	ttcttagtga	attattttat	3600
ctggttctaa	aactttttga	taatactctc	aaatatttat	ggattttata	acataattta	3660
tggattacgt	agttatgaat	ttcataaatg	attttgtgat	attgccacag	atcatcacca	3720
ttatacagga	tgtataaacat	aacctatggt	taatataatt	tcataaaacta	tagaccaaac	3780
aaagactggt	caggaccagg	gcacgcacat	attttatatg	tgtggtgcct	attggaatat	3840
gccaggcctc	ctgtgaaaaa	aatcagtaag	tgcttatctc	ataggacca	cggcccaaca	3900
ttcctgaagt	cactaccaca	ctttgcactt	atctccatgt	ggaaatagat	agccactggt	3960
gaattctggt	gagaacgaca	cgtctgaaat	ctctcagctt	cacaaccctt	attacagccc	4020
tcagagaatc	ttctcacata	gcgcacaaaca	acaactttag	gaagtgatgt	tcctagaatg	4080
aatcaatttc	taaaattaaa	agtgaataaca	atgacaagga	gaagggagg	tcagagagga	4140
aaggctgatg	ttactaaaag	acaaaagaca	gtataacctc	ttatgaggat	ggtccagaca	4200
ctcagggaaa	tgcaaggaaga	aataaaagat	aggagtttga	accacactgt	gatggctaac	4260
tttatgtgtg	gacccgaccg	atctatggga	cacccagata	gcttgtaaag	cactatttct	4320
gggtgcgtca	gtgaggggtg	ttttggaaga	gatcaacact	tgagtcagta	gactgagtaa	4380
agcagaatgg	cctcaccaat	gtgggtgcac	attgtttaat	ctgttgagtg	cctggataga	4440
caaaaaaggc	aaaagaagg	tgaattccct	ttctcgtctt	aagctgggac	agccatcctt	4500
tcctaccctc	agacatgaga	ggtttggatt	cttggatctt	tgggtcccaag	ggctgacact	4560
ggtggccacc	tctggtttca	ggtctttggc	cccagattgt	aagttacacc	atcagcttcc	4620
ttggttcttg	ggccttgaga	ctcaagctaa	aatacactac	cagcttccct	tgttctctag	4680
tgtagggaca	gcaaatcatg	aaaccttctg	cctccataat	catataagtc	aattccccta	4740
ataaatctgt	gcttatatat	ctatagcttt	ccttttggtc	tgtttctcca	aagaacctta	4800
atgtacacac	tatatgacct	aacctgtagt	aatgataacc	ttatgcagg	ttgaataaga	4860
tgatggtatt	ctcagtatct	gggaggtatg	ggctagagtg	atgaaccacc	gccatgagcc	4920
taggactgag	gagatttctg	aaatgtggaa	tatttggtgt	caaaaccaag	agataatata	4980
gccatgtgga	aaacatgtag	aactatcgta	tgattcagca	acccaaccac	tgggaattta	5040
cccaaaggaa	aggaaccag	tatatataag	agaactctga	ctcccatggt	tattgcagca	5100
ttattctcaa	tagcctagat	atggactcaa	cctaggagat	tagatgaatg	gacaaagaaa	5160
atgtggcata	tgtacaccat	gaaataactta	ccagctataa	aaaagaatta	gccaaagcag	5220
tgggtgtgtc	ctgtcatccc	agctccttgg	gaggctgagg	tgggaagatc	tcgaggccag	5280
aagtttgaga	ccagcctggg	caaaataata	agactcgggtc	tctaaaacaa	tttaaaaaata	5340
ggccttcctt	aaaaaaagaa	taaaatcatg	tcattcacgg	caacatagat	gggactggag	5400

## 34546 - SEQLIST.TXT

gatattactg	ttaagtga	ttagccagga	acagcaagtt	aaacccaca	tattctgatt	5460
catatgcgga	agctaaaaa	acgttgatct	catagaagta	aaaagtagaa	cagaggatgc	5520
tggagactag	aaaaggtagg	gagaagggaag	ggagagggaa	aaatttggtta	acagggtacaa	5580
aaacaaaatt	acagttagtt	agggagaatt	aattccagca	tcctgtagca	ctataggatg	5640
actatagtta	ataataatac	tttaattagt	ctcaaatagc	tagaaggagg	atattgaatg	5700
ttcccaacac	acacaaaaa	atgataatgt	atgagatgat	ggataatggt	gttatcctga	5760
tctgatcact	ctacattata	tgtatcaaca	catcactatg	tacccacaa	atatgtagaa	5820
tttttatttg	tccatttaaa	aaagataaca	aatttaaaaa	taaaataaaa	actaaattag	5880
tgttccatgt	aaacctggat	gaactgggtca	ccctacgtct	gccccatctag	atggctgggtc	5940
aaagtttccc	aggctccaca	tcaagttggt	ccactgctca	ctggaacttc	cctagtcagg	6000
ttgggcaaat	agtaatttac	agcaatagtg	aatttatcac	tgacatttct	tcagttcccc	6060
tccttgcat	ctgcttcttc	ttttctgtaa	tgtgtttgt	tgaaatgccc	aacattcttt	6120
ttcttcccta	gagctattca	gggtgacctt	tttttccgca	ttttcccatg	ccacttccat	6180
tatatcaaaa	taaaacagtc	ctgtgtggcc	actgctcatg	acctgtttc	ctgccatgtg	6240
aagataggat	cggctgctct	ttcttctcct	cctttttttt	cagagacagg	atctctccct	6300
gtcaccacaga	ctggagtgc	atggcacagt	cgtagcttgc	tgagcctcg	aactcctgga	6360
cctcctcagc	ctcctgagta	gctgggacta	caggtgcaca	ccaccatgcc	ttcctaattc	6420
gatataatata	tataatata	ttatataat	aaaatatata	tataaatata	tataatttat	6480
atattatata	tataatata	atattttata	tataaaatat	atatattata	tatatatatt	6540
atatataaaa	tatatatatt	atatataat	atatataatta	tagagatggg	gtcttgctct	6600
gtcaccacagg	ctgaagatca	gctgctcttt	ctaactctgtg	gttagataag	atctgtctcc	6660
caggggataa	aatactacct	ggaataaagg	tatcttttaa	ataatcccag	agaagaaaac	6720
atctttatag	tatgacagag	gcagagaaaa	cagagaatat	ttgttaaggc	aggactttca	6780
ccactccagc	tacaatcatc	tgtctgtttac	tgctatacct	tacacgggct	ggcactgctg	6840
ggggtacaaa	gtagatgcca	aacttcacaa	tgggttagatt	catgtttaaa	aagccattgg	6900
atcaaactct	tgtgaaagt	tccagctttt	ttctgttcca	aatatgtgtc	cattataaaa	6960
gaatctcaag	agcataattg	ccaagatagt	ctatgtccat	gagtatttca	acatctctca	7020
tgaaatctgt	tcccatcatt	actcaagata	ttgtatgaac	agtattccac	ataaactagg	7080
tgctcaataa	tgattgattg	gccaatggag	ggctattatt	taatgcacta	caatctttta	7140
tgcaaggggc	ccacagggaat	cagtatgac	ccataggaat	ccttttcttt	tccattgaaa	7200
aagaaacaga	tagtggcttg	tattaggttt	cttgtgtgtg	ttgtgaggtg	gaaagatatg	7260
aaaagaaatt	tgatcagagc	ataaatctga	gcccattggg	taggaaagaa	tgagggaata	7320
aggaagaaaa	cacagattat	agacaggaaa	atcaaactca	ttaaaactga	taattttcga	7380
atactaaaaa	tgtacattca	tttgaacaaa	aagattctat	aaagcaagat	ttctctgttc	7440
ttaccagcac	taccatgccc	aaactacctt	aggaaatgaa	tagcagagtc	aaacttaaaa	7500
gcacctgaaa	tttaaaaaca	aaaccaattt	acattttatt	taagaaaagc	aaacagatgg	7560
gcctgctaac	aatgtcaaa	tctcgtttac	aaagaaaaaa	acaaatctgg	aacctgaagt	7620
caaacgagtt	caaaataaaa	agcaaaccac	taaacagaaa	ccaacataaa	cagaagttac	7680
taccatctcc	ctcagcctgt	gaaattctgg	aacttctctt	tctttctcgc	cttcttcttc	7740
tctcacctgg	aagacgagca	gagtgaacac	atcaggggtt	gtcagttccc	cagatggcac	7800
acatatgcag	aaccaccgag	tccaggagaa	tgtaggaagc	ttagttaagg	ccaaagttct	7860
ctttggatct	tcctcatggg	cttcaaggca	aaagaaaaaa	aagtttgctt	gagaatatct	7920
tcatatctat	tagtttgaac	catgcaaaat	tacagttttt	ataggtaaaa	tgagtgcata	7980
ttggcaattt	caaatgatta	accctaatac	attatgcttt	tgggtataga	aatattcaga	8040
tcttaaacat	atgctgttac	atacaaaatc	aggatatatt	ctgcttctat	aattaaagca	8100
aagagaattt	cttttggtca	ctactccttc	tgacatgagg	tatgaaccaa	gttcaggacc	8160
cctaaaggtc	tgggtctggg	tcattttctc	acctctaact	tgtgccgctt	tcttggtcag	8220
tcattgtgtt	ctgagctgtc	tcataaaaca	tctgctatga	ctttactttc	tcctgatagg	8280
gtggcttttc	atcgttggca	cttcgttggc	cttatttggt	tgctttatac	actggttctc	8340
gtttccaaat	tggcattatt	attgttatga	ttcctgctgc	tctcccacat	ttcccattct	8400
tctcctgatc	tctctcacct	gtacattttc	tacattttct	cctgtgcttc	cttcttccca	8460
tcatcattgc	ccaagtgtgt	cttctttctt	ctccttgta	catttctctt	gcccgtctct	8520
acatatgcag	agatggctct	tggttttcct	tctgaaatct	catagtttgg	aggtaaaact	8580
gttagcaagg	ccactgagaa	gagaacaaaa	gggaaacata	agagaaacca	agtcactatc	8640
tctctcattt	cctggtttct	agaagtaaga	cccaaagaac	tcactgtttc	agtgttttca	8700
gctcaggcca	aactaggggt	atcaaaactga	gcttctgagt	gctgatcaaa	acctataaaa	8760
ccaagtagac	agaccatcta	caaatcttca	ctgttaaata	ccataaagaa	tgaaaagggtc	8820
actaattggt	aagactatat	gtgtgataat	taaatttatg	catcaacctg	gctaggctaa	8880
aggatgacca	ggttagctgt	aaaacattat	tctgggtgtg	tccataagag	tgttttcggg	8940
agagatcagc	atgtgaattg	gtgaacttag	taaaagcagac	ggctctcacc	aataagggca	9000
ggcatcatcc	aatctgtcga	aagcttgaat	aaaacaaaaa	gaggaaggga	aaatttgctt	9060
cttttcttct	tgatctagta	tatcatcttc	tctgcccctt	ggatgtgagt	gggccttcag	9120
acttaaacca	ggagttacac	ctttggcttc	cctggttctc	agttctttgg	acttggactg	9180

## 34546 - SEQLIST.TXT

aattacactg	ccagggtttcc	tggtttctcca	gcttgcatg	ggcagatcat	gggactttctt	9240
ggcctccata	attgtgtgag	tcaattttcca	ttttattttac	atatccagtt	atgcatttgct	9300
taacaatgga	gacagggttct	gagaaatgca	ttgttaagtg	atttcatcat	tgtgcaaaca	9360
tcatagagtg	taactacaca	aacctggaca	gcatagacta	ctacacatct	aggctacatg	9420
gtgtagcttg	taacctcatg	ataagtatgt	ataacatcat	gataagtatg	tatgtatcta	9480
ccatatctaa	atgtagaaaa	ggtacagtaa	aaatatggta	taatcttatg	ggatcaccat	9540
catatatgca	atccttttgta	gactgaaatg	tcattgtgta	gtgcatgact	gtatacgcac	9600
acatacacaa	acacacacaa	atatactatt	ggttcttttt	ctctgaagag	ccctaataca	9660
atatgtttata	cattttatatt	gactctatatt	caaaatttat	ggttttgggtg	aaacatatgt	9720
ggagatgggg	catagggtgtg	tgaactggga	tagtgtcctg	ctgatgaatg	gggtgggaggc	9780
atcatttggg	acaagcccag	ggcatcagct	tatagatatc	aagagctcaa	caagagcact	9840
ttatggcaaa	acctcccaca	agacctctca	gaagtgtaga	aactgctaaa	agtttcttta	9900
tgacagatga	cattttatgga	taaaataggg	attagcagga	ttctttaaat	actttcgaac	9960
actaaccttc	attttctacca	ggcagtgggg	ccccaagtgc	agggccatag	gaagtacaag	10020
tctgggagat	actaggctgc	actgtctgta	gagaatctga	aaaaataata	gagtcactga	10080
aatgcagttt	ggtataatta	ttgccatgca	tcataattct	aaatcatact	agtgggtcaaa	10140
tactcttccc	tgaaaaaaca	ttttcttggg	ttgaattcta	aataattggt	gtgggtcacca	10200
ctgagctttt	aaatatataa	atactttcaa	gtttgcata	ttttattacc	tgttccttaa	10260
caaacattga	attcaacatg	aaaatgatta	tgggaaacat	tcgggtatac	agtccttgac	10320
tcttaaggac	tcaggtaaat	acttagggta	tttcatggcc	ctagtctttg	gggtaccaca	10380
tgtttcttct	tcaaatcaca	gattcaaaat	caagaatgat	aacacagtg	ttgtgtagac	10440
aaaaaagtg	aaccaaattt	gcttgcttct	gtcatttctat	ggaaccactg	agagttttta	10500
cttgtgctta	aaattttgaa	tagtaaaaca	gagtgtcaac	ttcatgctgg	aatatttttg	10560
gctttttaga	cacaattttta	agtacatgaa	gtattttttac	aagactaagt	aacatcactg	10620
aaattacagc	tttcttcttt	ttaaaactgg	tatttgttat	aaaactaaag	agcgaatcaa	10680
gaaaagcata	attattactg	attattacag	gattattact	gaaaaagaaa	tgtacggaat	10740
agaggaggaa	ggagtttaaca	aatgatccac	tctgggtggt	gaaaacacca	ataagcctgc	10800
ttccagggaag	tgccctaagac	agagctggct	cagcttgctg	ggtcacagca	tgtaaaggaaa	10860
ctgctgggct	acatgccacc	atcctcagtt	gtccagatag	ataatcccat	agccccatgg	10920
ggaaataatc	tttaattatg	atatagtctga	caccattcaa	agcactatgc	taagtccttt	10980
atgtgaatta	actttttgtca	aatttatttt	tcataaataa	cccaaataatg	tataaccacta	11040
ttatcctacc	ttaaagagga	gaaactgagc	tcctaaagtt	taaatatcta	acccaagtta	11100
agactgctag	tcaccctagg	ctattaactc	aggcagtcta	actcagggtat	aataacatta	11160
tgctactgtt	tgacgctttg	actatgcctg	aattataacg	tcatgctatc	taactaaaaa	11220
gctaagggaa	ataaaatgag	ccatagggct	caatttcata	aaaggagaga	aaatactggg	11280
gaaaagtgat	aatgcagagt	ttaaaatatt	tttgtaaaag	tgccagagat	tgagtataac	11340
aagtgtgacc	aaaaaaaaaa	aaaaaaaaaa	aaaagggaaga	aggtaaaaaa	aagaggggagg	11400
tctgagaaat	agaaatatca	gagggaaggaa	ataaaggagg	gtgagagtaa	attctctttt	11460
agcattcaga	ttccacagat	tccacaaatc	acatttcttt	ttttaccaac	taaggaaaaa	11520
taacacttga	cctaacattt	cattgcagtt	agctaaagga	tgctagaaaa	actatgttgc	11580
agtggtttgc	tctaatttct	tcagggaatag	agaaaagtga	caaaaagatc	agagaagaga	11640
agaaaggaaa	ctatcagaaa	aatacagaat	tggagtagga	tataacatat	ttgggttgaa	11700
ggtaaaattt	tatatgttaa	tcttaagtat	cttgctactt	cagtttggtc	cctggaacag	11760
cagcatcaga	atctgccgag	ggcttgttaa	aaaggcagaa	tctcagggtcc	catcccagac	11820
tactgaatc	agaatataaa	tactgacaag	atgccccggg	attcatatgc	acagtagagc	11880
tggcgaagtt	ccattgtagc	ctgtgattgt	tttctgcaac	ttagtatttc	tgagttttcc	11940
caaggaagaa	aaccagagcc	ttagcttctg	gcagacttgt	gtttctcctt	tacttactag	12000
ctgcattgact	catgagcaag	gaaatcaaac	tttatgtgcc	tgagtttcct	catctataaa	12060
atggagacta	taataatcat	ctcctaggct	tgttttgagg	atgttcaaca	aatgctcctt	12120
tcattcctct	atttacagac	ctgccgcaga	caattctgct	agcagccttt	gtgctattat	12180
ctgttttcta	aacttagtaa	ttgagtgatga	tctggagact	aactctgaaa	taaataagct	12240
gattatttat	ttatttttct	aaaacaacag	aatacgattt	agcaaattac	ttcttaagat	12300
attatttttac	atttctatat	tctcctaccc	tgagtgtgatg	tgtgagcaat	atgtcacttt	12360
cataaagcca	ggtatacatt	atggacaggt	aagtaaaaaa	catattattt	attctacggt	12420
tttgtccaaa	aatttttaaat	ttcaactgtt	gcgcgtgtgt	tggtaatgta	aaacaaactc	12480
agtacagtag	tattcagtac	agtattttaag	cccctgtact	taaacatatt	cctcgtacca	12540
atgaagttac	atgaaaagca	aatttgtgtg	agatatcgta	gatggaagta	aatttagtctt	12600
tatgttcccc	acaaaattgaa	atgcatttca	aaaactctgt	gtgtgtatgt	gtgtgtgtga	12660
cagatgtgtg	gtgagagaga	gacagagaga	tacgctttgg	ttgcctccat	aagctggctg	12720
ctatgattaa	taagaccaag	ttttctaaag	aaaatgagat	cataacaaaa	gccctcttta	12780
tgactatctt	ttatcagggg	caaaaaggaa	agagacaaaa	cagcatgaaa	tgatgagacc	12840
aagtgatgaa	aattcattca	caatgattgc	tttcaagagt	aatcttctct	gggtaattca	12900
gcagcctggt	actatggctc	tctggagtg	tagctaattg	aaatgaagcc	tctaaaagtg	12960

## 34546 - SEQLIST.TXT

gattatcctg	acaagaatat	actcagccaa	taatgcaaca	gaaatccatt	caaagcattc	13020
gggaaaaatt	caaaagaata	aatattcctt	ttttttttt	aaagttaatg	acctacgatk	13080
catttcttcc	ctgactaaca	agcagcaagc	acttaaaaa	atccagccag	gatgaaatag	13140
aaacccacct	gacttggtta	tatttttgtt	tgggtcccagg	gactcagatt	ctaagccaaa	13200
ttctttgaat	gatcttggca	aatgtctcga	attatttttg	ccaacttttc	tttatcttgg	13260
aaaaaaagtt	tcatgaatgg	gtgtcaaaa	tgatttagttt	taaaaacctt	tcttgcagat	13320
acgtatggca	ccctaaaact	gtattagaaa	aaaagtaagt	actctgtagt	gtgaaaaatt	13380
cttaaaggac	accctctttt	acaaactcac	aaaaacagcc	tttgggaatac	ccacatgaag	13440
tagctgttgt	tattgctttc	tatataccta	catcttgtct	attataaaaa	gactggtttt	13500
tggcaggtgt	ggtggctcac	acctgtaatt	ccagcacatt	gggaggccaa	ggcgggagg	13560
tcacctgaga	tcaggagttc	aggaccagcc	tgatcaatat	ggtgaaaccc	agtctttact	13620
gaaaaatacaa	aaatcacccg	ggtgtggtga	cgggcgcttg	tagtcccagc	tactcgggta	13680
gctgaggcag	gagaatcact	tgaactcagg	agtcagaggt	tgcagtgaag	tgagatcatg	13740
ccactgcact	ccagcctggg	tgacagagca	agactccatc	tcaaaaaaaa	aaaaaaaaaa	13800
gactggtttt	tcaacagcta	ttcccacccc	tctgcatgga	aatattcacc	cagtcaattg	13860
ttttcctagt	ttgggtaatg	gccctctggg	caggactgga	gtggggcaca	caggagaagc	13920
tgcaaaacta	gtttagaagc	atgtctggga	aatgtcatgc	aagaaaaagc	atattttaaag	13980
gtaggctttg	catgaatgga	aaaggagagt	aatcttatgt	agagcagagc	ctcttacttg	14040
cagtgaagaga	agcaaaagtg	gggaagcaag	aggaattatg	cttttcatca	gccaaaattg	14100
caggtaggag	gattggctca	gtcatcttgg	ctgaggctca	tgaaccagg	tgtaaagaaa	14160
gtggactaga	ttaatctcat	ccattacagg	aagaggagcc	gtgaaagata	atccagaaat	14220
cattgggatt	tgatggtaga	aggtattttg	ggactattcc	atttgaaatg	agaagggtacc	14280
tgacattctt	tgaattccit	tcaagcaaat	gattaaattt	acccatgagt	tgactcagaa	14340
aaaacataaa	aagtattgtt	gctctgtcca	gagttttatc	taactcattc	tcacttctta	14400
ttccatgatg	aaatgacata	aatgaggttt	tttattgttg	ttgttgttgt	tttctggaca	14460
caaggcaagg	tagctacctg	ggcagagctg	ttttatttct	ctatgccgtg	gagagaaatt	14520
ggttaattgg	ccatggaagg	cagtcattaa	gatgttccca	tgcgagtga	ctttccagg	14580
ttcccagctt	ctgcatcctt	ccctgtccct	caattccatt	gttgggtgat	acaatgtctc	14640
tcccatcagc	ctcatgaagt	tctctctcat	ttattaaaa	ttgctttcag	gaaaaatttt	14700
gaaaatgtgt	ccagtaatgc	ctgattggcc	ccttatccca	aaggcttaaa	ctggagggaag	14760
gaagctaaac	tgagaaatct	tgcaaatcat	tgagccaaaa	acgtattaat	agcaagatct	14820
atcatttatt	gactagtatg	tggcaggcag	tgccctttta	tttaggcagg	gagagttgat	14880
ggggggggcg	gggttcacac	atcttaaaag	ggtgtctatc	cctcctatat	aaatcatgta	14940
agtcaagaga	gtaaggaatt	gtctttgttt	ggttatattc	aggggattag	agtatacagt	15000
agaagatccc	aagaaacctt	gggatcattt	tagactaaga	aatgccaaata	ccgcggggcg	15060
cggtggctca	cgcctgtaat	ccagcacttt	tgagaggccg	aggtggggcg	atcacaagg	15120
caggagattg	agaccgtcct	ggctaacgtg	gtgaaaccc	gtctctacta	aaaatacaaa	15180
aaattagccg	ggcgtgggtg	cgggcgcttg	tagtcccagc	tactcgggag	gcggaggcag	15240
gagaatgggtg	tgaactcagg	aggcggagct	tgcagtacag	cgagattgcc	ccaatgcact	15300
ccagcctggg	cgacagaacg	agactccgtg	tcgaacaaa	acaaaaggaa	atgccaatat	15360
cagcagaatt	agagccaaat	catgaacata	agctaaacaa	atgttggcag	tgtagcctag	15420
tggttaagag	agcagactct	taactagaac	actgcactcc	atgtcctcac	tgtagacctt	15480
cactgtgggg	ttctaattaa	cccctgttac	ttaccagtgg	cagtcttaag	gcatttctta	15540
agttcgttgt	gccccaat	gttcatctgt	agaaggggta	ggatgacagt	agtgtttact	15600
ttataggctt	actgtgagca	ttaaatgagt	tactactgta	tttgtaaagt	gcttaaaatg	15660
ctgtcccaaa	agagtttgtt	aaacacttaa	gaactgat	acttgcattc	aaactgacag	15720
ctctcaataa	ctggaaatga	tcaagcatag	gccctggaat	ataagcagg	ctacatgaag	15780
gcaaaaatgt	tcgtttcttt	tgttcagccc	tgtgcctaga	tcaatatcta	gtgatcatgc	15840
tcaagaaata	ttgttgaatg	aatcaatgaa	cctaccgagg	tagttacata	aaagagttct	15900
gcatgagtac	aaatctgggc	aaagtgacct	ccaaggaaat	ttccactttt	agattctgtg	15960
atttccttaa	ggaactgata	aatgggtgtg	atacaatgta	aaaaaatgtg	cctatatgat	16020
ttgagaaaaa	cttattttct	ctccctcttt	tttcttctct	tccttctctc	ctcccttctt	16080
tccttctctc	ctcccttctt	tccttctctt	tccttctctt	tccttctctt	tccttctctt	16140
tttcttctct	tccttctctt	tttcttctct	tccttctctt	tttcttctct	tccttctctt	16200
tccttctctt	tccttctctt	ttgtgccttt	cttcttctct	ttcttctctt	tccttctctt	16260
cttcttctct	ttcttctctt	ctgcctttct	ttcttcttgt	tttcttctct	ttcttctctt	16320
tttcttctaa	gcagaccatg	tctgttagat	gaatgccttt	ttctagttaa	aagggttaaac	16380
aggaaagtga	agcacaatta	tcaagggtct	ccagtcattc	ccacatgttc	ttaatcatta	16440
tcttctttaa	cagtttcata	ttccaggcc	ttcattggg	tcagggttgc	atttcgctgc	16500
cctttatgtg	tgtgacaagt	gaaaataaag	aaagaaaaaa	actcaagtga	agaaaatcag	16560
aatctgcgca	gcagttcctg	ggcgtttcag	ctgcttccca	catcacctgc	ctcatcaagc	16620
cccagcatcc	atctccttgc	tcatcttaca	ccctgtgtgc	atgacaggcc	caccattcat	16680
ttatcagagc	aaaggctctc	ccactattct	ggttcacccc	cctacttagc	cagatataca	16740



## 34546 - SEQLIST.TXT

agaatatctg	cacggatgac	ctgcctcacc	tgggagctca	gaggagctca	gattccatta	16800
ctatcgcacc	aaggacagat	ctcccagcaa	gaatgacaga	aaagactaac	tgcccccata	16860
atctcccttc	caaaaacacag	ttctcttaat	tctcccaaga	aaccagaatg	tgactgctca	16920
cctctctaag	gacctgaaaa	caactggcca	tttcagctat	ttaaataaac	tttaaaaaat	16980
ccaaccgccca	aaatatataa	ccatttttgg	tggaaatgata	acataactaa	cctgctgaca	17040
gctgcttctg	ctagggtgcaa	aaatggaaaa	aaaaataactt	ctaatacagg	caaatacactc	17100
tacctttggg	attctaaatt	tactcatatt	ctcaaagaaa	tataatcagt	catagtgggg	17160
aaaataggat	tattccttta	gctcgataag	caaccagaag	ttcttccttc	aaatcttgac	17220
atthaatcaa	tcagaaattg	atthtttgaa	aactgtttcc	tatgaagcta	tctctgcctg	17280
aaggattttt	cttttacaat	ccagactata	gaaggaaatt	cacaacctgg	actttcacct	17340
ccattgggtca	gagttttact	gaccaatttc	cacctctgcc	ttacacctaa	cggaagttaa	17400
tgctgtttt	ctcttcacat	accccaacag	ttacaaatgg	ttgttattat	taagcatctt	17460
ttattttgtg	gcctctgatt	acatgggtccc	ctaaattttg	acctaatac	aaaagattgg	17520
taaaatttct	taacatatta	ataatatttt	gtttatgtgt	caatatctta	gcatgtatca	17580
attaagacag	aggctttaac	gttctctttt	tgaagagaaa	tattaggatt	cagagatatt	17640
aagagattct	cccaggatca	cagtttaggt	acagagctgg	atthtttagt	aggctctgtct	17700
acagctctaa	cgtatataca	ccctttgtat	aacatgtcac	gaattcagca	taaagggatc	17760
ttcagtgtat	taagttaggg	gtcagcaacc	ttttctaaaa	aggaccaa	agtaataatt	17820
caggctttgt	ggaccctatg	gtctctatca	taactgttca	aatacaccat	tagtgtaaaa	17880
ggagccataa	gcaaaatata	aactaacgaa	tgtggctgtt	ttatgggatt	tttttttaac	17940
tctttattta	caaaagcagg	tggcagatca	gaactcactt	atggggcata	gttctctgac	18000
ccctgacctg	agaaaatctt	atattttatg	acaacattta	gactgtgact	tgccaagtaa	18060
gaacaagaag	ctctgtcaac	tgaagggtcaa	ggctggagtt	ctgaaagcaa	agagctgtct	18120
ggtgttaatg	ataagtga	tagttaaagt	tagaagatcc	cagttataag	aagcacaag	18180
aataatgacc	atagactcct	gaacaagaat	gtctggactt	ctggcttagg	cactctgtgt	18240
gtatgggtcca	ggccaagtta	cctaattctct	ccaggcctcc	atthttctta	cattaaatga	18300
agataataaa	agtattttcc	tcagagagct	gtaagaataa	actgagctaa	cccatgtcaa	18360
gcacatagaa	tagggccag	cctatatata	tttatcaata	aatgccagct	acataattag	18420
tctctatatt	tttattcatt	atcataaaat	gtttatctac	agattggcat	tgtaaaggat	18480
gagttaaaat	tgtatgtatg	tgaaggga	ttattcctgt	tactattgat	ctgcatcaca	18540
ttaccccaaa	tttgatggct	taaagtaaca	acattcattt	tgcaaacaaa	tttgaaattt	18600
gaggagggct	tgtctgggaa	gacttgtctc	tgccctatgt	ggatcagca	gggggaggct	18660
tgacggactg	gcacatgccc	ttccagaatg	gcccactcgc	atgcctgcca	agttgggtgt	18720
ggctttggc	tgggagctca	gctggggctg	agtgcctagg	tccctgggag	gttccttgtg	18780
gcctgaactt	cctcaccaca	aggcggctgc	gggtgcgagag	tgagcatttc	aagatagagc	18840
caagatgaca	ctgtattact	gtgtaagacc	cagcctggga	attaatgtag	cctcacttcc	18900
atcccactct	atthtttaaaa	agtgaattat	taaggtcacc	ccatattcaa	ggggatagga	18960
attagacttc	atctgtatta	agaaaaatgt	ttttaaaaat	tgtagacatg	ttttaaaatt	19020
ctaaagtcca	cttactggct	gcagattatt	tatatataca	tgcaagatac	actcctacat	19080
tctctttcta	gaaggctcag	ttgcaggtac	agatgaagct	cttcaagtga	gatttcttat	19140
gtattttatc	tctcaatctg	aagacttgta	aactaagaga	caagttattt	gcaacctaca	19200
tacgcaatat	tcaatggtaa	agtatacata	ggacagccac	tacagacact	cttgttttta	19260
atagagggaaa	atgagagcac	ataacagtca	ttggctcata	gcaactctga	tatccagaca	19320
gcaaacacaa	gcaggctctt	tttttaggtct	cagtcctact	gcctggattc	cctactgtct	19380
ttgggtcttc	cctccaggtt	cttggttctt	ggacctcttt	tcatttaata	ctatttctgt	19440
tcctttaagt	tcaagctggc	aaaatatgat	tgttaaaatt	tgtttaaaat	tccaggactt	19500
cctgtgattc	ttattgggga	atactccatt	agacaagaat	ctctttgaca	taagccattc	19560
tctacctgag	atccctgtaa	ggctgtgatg	ggaccacata	accttaaaat	tattagaaga	19620
ctcattgttt	actgagagaa	tatgcctagc	atatgcttag	atccttagag	gaactctgtt	19680
tcaaagggct	tatgagacat	taccttatat	ctttctaagg	tacaaacaaa	aggtcttttg	19740
cttttgagtt	tgatctttga	gctgacacct	tttcttaatt	tgagaatccc	ctgctctatg	19800
gagagactga	caaagagaaa	tagttttata	tttgaatgta	acatcttgga	tctttaatag	19860
attatcttaa	aattttcctg	aaaatgtaac	agttcctttt	tttaaaattc	attctcccta	19920
cacacttatt	atatatgact	aaaagaaact	ccctggcatt	ttcaacattc	tggttagaat	19980
ttttcttagc	ccaatctacc	agtttattag	gtatatgtgt	atthttccac	tcactgtagg	20040
tgacaatctt	gctaaacttt	ctgccactac	ataacaagga	tccctttctc	cagttttcag	20100
taacaatcta	ccaatagcct	ctcaaggctc	taccaagctt	ctactaaaaa	tctctttcag	20160
ccccttccaa	cttctgcccc	ccaactagtc	ccagaagcaa	tacctatggt	ttaggtttca	20220
ttatagcagc	atctagtttc	gagttctcag	aacctgtttc	gatcatgttt	cactgtttcc	20280
aaaacatccc	aaaacagtag	cttaagacag	taacacttat	tttgctcaca	ggctgtacgg	20340
gaagcatggc	tggagagggtc	tcaggaaata	tacaatcatg	gtggaaggca	aagaggaagg	20400
aggtatgtct	tacatggcca	gagcaggaga	aagagaaggg	gaagggtgcca	cacacttttt	20460
agaaaccag	atctcatgag	aacttactca	ctatcatgag	aacagcaaag	aagaaatctg	20520



## 34546 - SEQLIST.TXT

tctccatgat	ccaatcacct	cccaccaggc	ccctcctccc	acactgggga	ttacaattcg	20580
acatgagatt	tggggcagggg	cacaaatcca	aaccataaca	gttgggcaacc	cttttttaaa	20640
gaaagtaatg	acatcaactc	cttgggggatg	tggattggggg	gagaatattg	gagaggatcc	20700
aggggaagtg	aagatatcaa	gttctttata	cataaataga	tctatctttt	tagggaagta	20760
gaatatgtca	tttaggatag	ggaaagtgtg	agatgtttact	ctattcagct	ttagggaaac	20820
tccaagatgt	aacactatgt	cctgtgaata	ttagtcttgt	ggaaagtgtc	ccattggaag	20880
aagacagaaa	atgtcctgct	gcacagagat	ccatatcttc	atgccacgtc	ttgcaaatgc	20940
agtcagggag	cttgctctaa	attcgtgttg	ccttttagga	agttacagag	catatttctt	21000
tatatcttct	ttatttttgc	ccttgatagg	agactgccag	ggattcagtt	attataattt	21060
tacatttatt	tatccttttc	tgggagcatc	tcataccttt	tttactagag	aggccaaggt	21120
cacaattaag	attagggaga	caatacagag	tcaagacacc	tgaattttgc	cacactactc	21180
ttggggccact	ttaatgggtg	tttctgggccc	tcatttttat	tactattatt	attaattatt	21240
ttatgggtgtg	tataggagct	ggaagatagt	gacttctatt	agaattttatt	cttataaaca	21300
atgctgtatg	gctcttggat	taagaagtaa	atagaaaaca	aaaagggtct	ttgaactgct	21360
gtctcttcta	ggtcttctca	gagtgtact	gggaattaga	tgggattaga	tgggtgaatt	21420
tcctttttct	tttgtttgag	aggtctagat	ttttgaagta	tctaaacctt	cttttagatct	21480
aagttaatct	ccaaaaagct	ttattgctcg	aaacattcca	gttctaggaa	gtttgcattt	21540
ctctgagtgt	aaggggtctgg	tctgtaaactc	cttgagatca	ggaatgtgtc	tttttatccc	21600
catagttcag	cgctaccct	agtgtcttcc	ctacaagtga	tcattgaatg	aagaaaggaa	21660
taaatctcct	cttctctaac	atacatcaga	gacctctgac	ccttattggg	tcccccttcc	21720
ctattgatat	acctctccat	ctccagacat	ccacatggcc	tcctaggggt	atgggattct	21780
tcactttctt	cctggtagaa	gctccttgcc	tgaatttttt	ctgaccacc	cccatttcta	21840
accgtcacag	gtttagattt	tctgaagcaa	acatacagag	agagtctgag	ttacaagaca	21900
tttaatagga	atcgactctt	gtgaaaggaa	gaggggaaga	tgtgggactg	ggctcagtga	21960
gaagccaagc	tgtgacacaa	tgaaaacctc	agcccaccct	gcacagagct	caggaatgag	22020
tgtcacgtgt	tagagctgac	ctgggtcagg	tcaacattgc	tgggtgtttc	tgtctctgcc	22080
tcgttcagtt	gtcagatgca	agctgacctg	ggaagggttt	gactgggcaa	gatggctgtc	22140
tgcagatgag	gtcaatcaga	aggggctgac	agccaaaagt	ggtttgtcta	tctcactacc	22200
cacagctggg	tggcaagctc	ttcaagaggg	acttggatga	tgtcttctca	cctctaccac	22260
accaaacaaa	gcattttctt	cttattcttt	ttcttctctg	ctcccttccc	cctccccctt	22320
ctcccctttt	ctcctcctcc	tcctcctcct	ccttcttctt	cttcttcttc	ttttttctcc	22380
ttcctctttc	tttagagaca	gggtcttgct	tggttgcccc	ggctggagtg	cagtggcaag	22440
gtcatagctc	actgcagcct	caacctcctg	tgtttaagca	atcctctcac	cttggcctcc	22500
caagttagctg	ggagtacagg	catgtgctat	catgcccgcg	taatttttta	atttttacta	22560
gagactagct	cactatgttg	cctgggctgg	agcatttcta	ttcatgggtt	ttgttctctt	22620
ggagctgtgc	tgttctcttt	gataacatga	atatggattt	gtattttacc	ccttctggcc	22680
atcttaacta	atggcccaaa	ggaaggccag	tggatgaagt	gtttctctac	aggggaagtt	22740
ctaagtgttt	ctcagcctac	atgtgtgagt	gtattaatgg	gaatactggg	gataattgga	22800
tagaatgtat	gaaatttagga	ttggcctaaa	ctatctggtc	caaagtttat	cctagtggcc	22860
ctaataacat	ctccagttag	ggcttttctt	gaggtttatg	aatgagctat	agggaaagat	22920
gatagtacag	gaatgagagg	attggatcgt	cttttctctt	tgttctattc	ctctatgatt	22980
atttgatttc	ttttttttgt	gatggagtct	cactctgtcg	attattttgat	ttttgtttca	23040
gattaaggcc	agctttcttt	gactgagcag	accacgttat	atgggaaacg	gccacacacc	23100
aaattaaacc	attcactgac	acccgggcac	accatttttc	accactctgc	tcttgcccgt	23160
gccattgcct	ttgcatccaa	gggattcttc	cttctgtggc	aatctgtatg	acatccttac	23220
taagaaggcc	tccctcagtg	cccttgcccc	tctcacagcc	ctttccatgg	ccttctccac	23280
tagactgtga	ggaacccagt	gtctggaaca	gttcatggca	ttgttggttag	tgttgtcatt	23340
ttgttgtaaa	gccttctgct	gtcagtggtc	atttcatatg	tttgcataatt	tacgccctgc	23400
ctctttttgg	tatgcagtg	ggaccctatt	gcacggctac	ttgtgtttca	gtggctttgt	23460
cctattccac	cttctatgcc	acttactctg	aatgcctggc	acattggtag	gtgccaata	23520
ccaacttggg	aagtgaatga	atttgttttc	tcattacctt	ttgaaatgcc	tatacagatg	23580
ttcctccact	tatgatggag	ttcatttctga	aaagctcatg	ataagtagaa	gatattatgt	23640
cagaaatgta	ttttattgta	ttttttattt	tttaatcttt	ctttctcttt	ctttctttct	23700
ttcattcatt	cattctttct	ttctttcttt	ttctttcttt	cctttcatct	ttcttttagt	23760
agagacaatg	tctcactata	ttgcctaggc	tggctttgaa	ctcttgggct	aaaagcaatt	23820
ctcctgcctt	gctctgccaa	agggctgaga	ttacaggcat	caactactgc	acctagttag	23880
aaaatgcatt	taatgtctca	ataaacccat	cataaagtca	aaccatcagc	agtcagtgc	23940
tatctgtata	ccttaggact	aagttagaag	ttggagatgg	taaagtttct	aaattagtac	24000
aagcacagga	gctcttattc	ctgccatttt	atgaaagtca	tgtgagtatt	gggtgaccatc	24060
actaatgggg	ctggtagaaa	ctttaggacc	agtctgtctt	agtcagctgg	gctgctacaa	24120
taaaaaacca	tggactgagt	gggttaaaaa	atggacattt	acttctcaca	gttctggaag	24180
atgggaagtc	caagatcaag	aagccaacat	ggctggattc	tgatgagggc	tttttctgga	24240
atgcagatga	tcaccttctt	gccttgtcct	catgtggaag	agagagcaaa	ctctctagtc	24300

## 34546 - SEQLIST.TXT

tctcttttctt	ttcttaaagg	acaataatcc	cattatggag	gcctcatgct	catgacctca	24360
tctaaaccta	gttacttctt	aaagggtcca	actccaaata	ccatcacact	gaagggttagg	24420
gtttccacat	ataaacttctg	gagggacaca	aacattcggg	tcataacaag	tgcatcttac	24480
aggactccag	ggagtgtgtt	ggctaccctt	catcccacac	agctgcaaca	atcctaatacc	24540
actgatataca	agtcaccata	tatttgaaat	tcactcagtt	cccaagaaaa	tatctgcttt	24600
cataatcatt	tctcagctaa	ggaatgaaag	ctatgataag	aaagtctagc	acttagtggg	24660
aaacaaactt	gaattaggcc	aggacccctt	aaatattgtc	actatgaaat	ccaagggcag	24720
tattttacatg	cttttccttc	atgatgacct	tagatttcgc	ttctttatgc	tgcaatcaac	24780
tgaaaacatt	ccactgttgg	taatccttta	tcttctaaca	aatctaattt	agtagatctt	24840
gttactcctt	atttttgaaa	atattaaag	aaacataaag	tgatctttca	gggaaattct	24900
gcaagggaag	tggcttctag	agaatgcctc	ttctccaaaa	ggcctagttc	tatttctgat	24960
atctaatacag	ttctgctccc	tttaaataat	tactgaaact	agtttattgt	ttaaatgacc	25020
tcatttgaaa	gtgggacttt	cccccttgcc	ttcttccctt	ttaatctctg	tttttaatta	25080
atgtaagtgc	agtcagaact	gacgggtgtca	acctttcctg	taactgtgat	tgccacttgt	25140
ggacattctg	tactcataag	agtgattctc	acaagttctt	taagtttttt	ggaagtgcaa	25200
acccaacag	aagaaagaat	aggactccct	gcatttctatt	ttgctctgca	gtgaagatgc	25260
attgttgagt	aatttgcttt	acattcagat	ataccagat	tcccatcttc	ccaatccatg	25320
tgacttggct	aagttacaac	tctttataag	cctcaatgcc	tgcaactgaa	taagaaagtg	25380
gtaaccatct	catggggcat	tgggtaaatg	agataatact	tatgaagtat	gcagcacaca	25440
gccaaagagcg	taacgtgttc	aatcaatgat	atccattatt	attacatgtc	aaatcacatc	25500
tgacttctgt	gatttctactg	gggaaaagga	tgcaaaatcc	tcttgccgtt	ggggtgtcaa	25560
atattttagt	acttattttcc	aaattcattg	gaggggtcct	tccctgaagt	ttacagatgt	25620
ggaatacacc	attcaggcag	gctttcttca	gtagtgcagg	tcatttcagg	ggttctccac	25680
attctagaat	aatttttttt	tttaccact	acagacacat	ttactggcaa	ggcccatgat	25740
aacaaaatga	aattaataca	ggctttacag	tcagagacct	aggcgacctt	gggtaattca	25800
ttaatatctc	tgagcctcta	tttcctcagc	tttgaaagag	gcataagaat	tgctctgaag	25860
aataatcatg	agtataaaat	aagataaatg	agataactat	gtaatatgca	ttagtttagc	25920
accaagccat	atacaaaagg	acaataaaga	gaatctaata	tgtttccttt	attcccactg	25980
ctatgaaactg	aatgtgtgtg	tccccgccc	accgcaaatt	catatgatga	agccctaatac	26040
cacattgtaa	aggtatttgg	aggtggggca	tttgtgaggg	aactagggtt	aaatgaactc	26100
atgaaggtgg	agcccccag	ctgagatcaa	tgcccttatt	taacaaaaat	cagaaacaac	26160
aacaacacaa	aggaagacag	catgaaatct	ctctctcttt	ctcttttccc	ctctccctct	26220
gccttcaccc	ccatcgccat	gcacccgcaa	aagaaaggcc	atgtgaggag	ataaccagag	26280
ccctcccaag	acctcgaccc	tgctggcgct	tcagttctcag	acttccagcc	tccaggacca	26340
tgaaaaataa	atgttggttg	ttcaagccac	ccagtctatg	gtatttcagt	gtagcagttt	26400
gaactgagat	acctattaac	agatgttcct	ttccttcttc	tccctcattt	ttatggcaca	26460
ttaccagtgt	ttggtactaa	atactagctg	ttaatctctc	cttagtagaa	gacaatagag	26520
taatgctgag	ttggtctcag	ctgtgggaaa	ccttttgccc	agagagaaaa	attaagtctc	26580
ctaacagaaa	gctggcactt	tcccttactg	ggcatcagcg	aaaacctgat	tcccatgggt	26640
aaagtgtagta	attgctaaag	ggaaacagat	catgtgcatt	tacatagtca	gagatgtttt	26700
atgggattag	gtgggtgatg	aaagagtaatc	attataataa	ttttacaacc	cagacataaa	26760
agagaaagag	cagagaaaga	ccagttctct	tgtgaaatat	ttgccattta	atatcttttt	26820
atctttgggc	aagccaactt	attttcttac	aaataagcag	taactagaca	cagatattta	26880
agaggagaaa	tggaccttag	atgttctgtg	gcataatttt	cctttcacat	aggggaaac	26940
caggaccaga	gcagcggatg	aagatgccaa	gatcaggcac	tgccaattgt	tttgactacc	27000
tctagggaga	tccttctcatg	actcacacat	tgctctcttc	ttgaaaatga	gtaaagagtt	27060
gccaaccaa	attcttgaaa	taaggctcagt	tataaatgcc	tatagcagct	accttctttt	27120
ttattattta	gaaaatgatc	atttgaactt	gttatcagaa	gacacaggct	gagagggag	27180
ggatgtattt	tttcacatgt	caagggaacca	ggggtaatat	aacattcaca	ttctagagaa	27240
aggtcaaata	ataaattgcc	ataaaataca	gactgctcat	gagctgtttt	gaaatcttgg	27300
cttcttgtca	aaaaactaaa	ggtggaggag	agtaaaatcc	ataactgtgt	gctttttgtg	27360
taggtgtgtt	ggactgaatg	tacatatgat	tggatcatag	agatgatcaa	agaagtgtat	27420
actattcctc	aacagaagag	gacaaaaaac	gaaattgaca	tttgttgaca	tttcttggc	27480
cttagaagtg	tttgtaaagt	acagagttag	gatttgaacc	cagttccagc	gagtttaag	27540
cccaggttat	ttcccaataa	gccaaagaaa	tttccaatgc	caacctattc	ctggcatctt	27600
tagcagcaag	agtgattata	gtttccacag	acagaaattg	tgtacagagt	tggtgaaaag	27660
aacagtatca	ccaacatgct	tggcatcaag	gctgtgactg	cacgaactat	tccaggaaaa	27720
ctagtctatca	cagggtgattg	aaaagagaaag	atatctttta	gcagactaaa	atctgcaggc	27780
atcttcatca	ctccttaatg	cagacagaca	aaactgattg	gctagactaa	taagatcaga	27840
ctttgttttg	gaaactaaat	gtctattaag	acacgcgaga	agacaagatt	tcctaaacat	27900
agactatgaa	tagactatga	atagtcaaga	gggaggtcga	ggaaaaggga	attcccccta	27960
acatggcaga	tcaaatattt	aaattttaat	gacatattag	atggaatata	agaagttttt	28020
gtgttatgaa	ataaaaaagaa	ctcattcttt	taaaaaatgg	caatccaata	tttatacacg	28080

## 34546 - SEQLIST.TXT

ttcttctatc	ttatagcatg	actgaattcg	aagtgttctt	gttcatgtct	ccttctctga	28140
gaaagagtaa	gtgcctccac	aaacacattc	actgggagtc	cagaagtggg	gagtatcgtg	28200
ttttcactgt	tcaaggtcac	gtagtggttc	ctggcccaaa	caagtaggag	ctttctaaaa	28260
ttaaaggcaa	ctatccataa	agggttcctt	atctgtgtgc	tcctagtcca	ttggcaggag	28320
ttggcaggga	aagccctctt	cttgatagag	atattggacc	tccaacctat	ctcttcatct	28380
tctcccatac	atctcctcca	tacagggttg	tcagggtcagt	aatccctact	ggccatttag	28440
aaggtgacat	ttatcaatta	taattagggtg	acttaggagg	cttactcaac	tccccagaat	28500
ctcagtgctc	tcatctgtga	aactggaaat	aataaagcct	atttcataaa	cctaattctt	28560
catattaaat	gggataacat	atataaagca	cttagcacat	gctatgaccc	cagaagatac	28620
agattcacag	agcagatgga	gcactgctgt	gtctcatgat	actcaagctt	gaatatcaag	28680
cttgactccc	attctgtctaa	ttctcctctt	ggctactagg	acatcttgac	tttcagggtc	28740
tggactctgg	gccttaaggg	aaagctaaga	ctcgtccttg	tatttctact	ttatgtaggt	28800
agaagctgat	ctgcattagg	gctgggtgct	cccttctccc	catctcaagc	cccagaatct	28860
cttctgtgat	taatctctct	cccaaagttc	ttgctgagggt	cagatttcat	agtcctgctt	28920
tttcagcacc	tgttcttaat	tagttcaaac	ttttgcagggt	tttctttcag	gccataatctt	28980
atttgtttcc	tcagaaaact	ctcttagact	acatccttta	tctccagaca	cctgggatcc	29040
acattgattc	ttttattttt	cacaatttct	aaccttgaac	agctgcatga	atgtaagcaa	29100
gcttctaagc	atagatgggt	gggtgggttg	gatgtgtaca	cgttattcat	tcattcagtc	29160
atacatttat	tatttataaa	ctacttattg	aacacttcct	agtgccttga	atttttttaa	29220
aaatctcaag	cgatatgcat	atcaatacaa	aataatttca	gttctcaaga	aacttaatct	29280
tgggaaggat	aaacaaagac	ttataatata	atatgggtga	agattttaca	taaagcagtg	29340
gttctcagca	ttggctgaat	aatagaacca	cctggctata	ttatatagtg	atgcttgact	29400
ccaactcaga	ccaatgaaat	caaaatccct	gtgagtaaga	cctgggcatt	gctatgtttt	29460
gatagctttc	cagggtgattc	cattctgcag	ggagggttga	gaatcccttg	gatagaggga	29520
agtatgggct	gccttgggac	cacaattaag	aggctccctac	tctaattggg	aagggtgctaa	29580
aggctgcaaa	gggaagatga	catctgagct	aagtcttttt	tttttttttt	tttttttttt	29640
tttgagacag	agtctcgctc	tgtcacccag	gctgaagtgt	agtggcataa	tctcggtcca	29700
ctgcaacctc	cgctcctctg	gttcaagcaa	ttctcctgcc	tcagctgccc	cagtagctgg	29760
gataacatgc	acccgccact	atgcttggct	aatgttttgt	atttttagta	gagatggggg	29820
ttcaccatgt	tgaccaggct	ggctcaaact	cctgacctca	agtaatctac	ccaccttggc	29880
ctcccaaagt	gctgggatta	caggcatgag	ccaccacacc	cggccctgag	ctaagctttg	29940
acaaatgagt	tgcccaaagt	aagatgtggg	aaagccattt	caagggcaga	ggaacaagat	30000
gagttcatag	aactgcctgt	aattttgggt	acagttttaga	gagtgtctaa	tgctaaagca	30060
tttagcctgt	ctctggcagg	caaaaggaga	gtcatttgaag	gattgtttaa	aaggaaataa	30120
tatggctcagt	attatataca	tctgaagtac	caagacatca	gttggggagc	aaattttact	30180
ttcattgcat	cttgccccag	cagaactatc	tccctttaat	aagaccttta	aaactgtttg	30240
cacctccctg	gcttcaaaca	ttagaaacag	gaaactctac	ccatgagcta	accttcaccc	30300
catcctttcc	tgaacaaaag	aacatctgtt	ctcccacttg	gatgtgcctg	gagtaaagag	30360
gggcgcttaa	gtattctcag	ttgactacag	agaaatgatt	ggcgtcacgt	agattagtca	30420
tacatacatg	cagatgtatga	catagtcaaa	tgtattgaga	catttttagtt	ccaaaaagta	30480
agtgttttgt	ttctgataca	gtgctgtcac	ccttggccag	ggaaaccag	ggatcatagc	30540
tgctacagat	aaattatgat	ttattccttg	gaagagggcc	tgaactcaaa	agaaattaag	30600
tagtaataac	acttgaaaat	tctctttctc	caatttcagt	atgcaaatct	atttacatat	30660
caaccaagcc	tttgggacag	gttagttatt	gtttgtgggtg	gtagtggttg	tgttgtttat	30720
gtttgagttt	tgtgtttttt	tttaattctg	agatacatta	tcaattttaat	gacaactttg	30780
caggataaaa	aaggaggagg	agaaaagaag	ggagggaagag	aaaggggaag	aggaggagaa	30840
gaagggaaaa	aagagaaaaa	atgattaaat	tttaatttgtg	ttctaattgt	gaaacaatct	30900
aatttcaaaa	atgttaaaat	ctgtgtgttg	ggttagagat	gggaaaagta	tgctgtataa	30960
taaaaaaaaa	atccccagga	ggaaaatgaa	atatttttag	agggtactagg	aattttatag	31020
tcaatggggt	ccaaagctgt	atttttagac	agagaaatct	gaggcacagg	tagacgagaa	31080
attttcttca	aattctcgag	ggaattacct	agtagtgaag	ctggaatcag	aaacctcatt	31140
tctcagcttc	aagttttggt	tgctttccat	gacaccctag	aatatttcaa	ctaatatctg	31200
agaagcaaaa	aagcatctca	tcctttctac	tcatatttct	ggctgaggga	actattcaaa	31260
gagataaagt	acatgaataa	ataaaaaatg	tgtatcacag	ctaagtacat	cttagcaaaag	31320
aaataagcaa	aagactatgg	tgccctcagtt	ctcaacactc	tcttttggtc	atttatttag	31380
tggctgttat	cttgagtagg	tgattcttgc	atatcaaatt	gcatttttgt	gtgtcaaagt	31440
gactggtttt	acttgtttgt	tggttcctaa	agctaattat	tatttttaac	accttttgat	31500
atgctaaatc	aggctaatga	gactaaaatg	ggattttctca	tgggtttatt	agtcataaac	31560
accatcttac	atatgtgtat	atatgtttta	atgctttcaa	agtgtaaata	aatgattata	31620
cttgagactc	atacaaatat	cataaagcag	ctttttcctt	agtattcctc	ctagaaaata	31680
gatatttcat	tggcagagtc	gtgggtgaaag	atgtgggtgtc	atacaataaa	tttacttcag	31740
ccagctgtgc	gagcttaagt	taccaggttc	ttttctgcct	cagtggcctc	ttctgtaata	31800
tggactgata	ggggatctca	catgcctgtg	ttttagaatta	agtcggataa	ttcatgtaaa	31860

## 34546 - SEQLIST.TXT

gtgcttagca	agtcacctgg	cctattataa	ctagccatta	ttgtttgcta	gaacatttat	31920
ctgttcacaa	attatgcatt	gattgcctat	aataactaaa	cttgaggaat	gcttattacg	31980
taccacgtac	tattcgaagc	acatcacaa	tagtaactca	tttcattttt	ataatgactc	32040
tttgaggtaa	gaactattat	taccatctct	gctttacaaa	tgaggaaatt	gaggcataga	32100
gacgtaaaagt	cacttgttca	aagcctagca	tctgggaaac	agtagagggtg	ggactcaaac	32160
tcagaaagcc	tggctatagg	ctctgctctg	ctgtctcccc	ggattggcca	catgctaagc	32220
attggggcaa	cagcaatgag	gcccataagg	tttctgctct	caaggagatc	actataaatc	32280
agccccggga	gatgatccct	aaaagagaag	tacgtcgttt	gcaaaatgac	agcacagacg	32340
cacgagttct	gaactcttcc	tcagagtttg	gggaagttgt	ttagccctgc	tttctgccct	32400
ctctatgggt	cacacacata	ctccgagtga	agaatgacgg	agttaccat	cttctggctc	32460
cttcccggtga	cactggctac	cctatgctaa	aaaccagccc	ccagattcca	catccctgaa	32520
tgctttat	acaggttctg	tcattttcat	gataaccttt	ctaattgtct	aaatttcctt	32580
tctgtgggtt	gtcaagcaaa	ttcattctcg	gcagtcagta	agaactcctt	gttcaaaatg	32640
ccacacatta	cagagtcaat	gattctaaac	acattttttt	ttagtgcata	caacttataa	32700
gctgcagtgc	tagaaacaaa	ttcacactcc	ctttacacta	cagtgccatc	ttttccgagg	32760
gtggggctcg	cgtttcttca	ccatccagtg	tcctatacgt	agattatgat	ttctgctttt	32820
gccaaacagg	acattgtttg	accaagtcct	tatgggagga	agcacagccc	agtgcagaga	32880
acaatgattt	gaaagtcctg	ggttctat	tcagctcctc	tggtgactag	ctgcgcattc	32940
agccctagga	aggtcaaaa	cagaatggcc	ttgctttgac	gactttctct	gcatgtacag	33000
ctctagatgg	aaaatatatc	aggcatctgg	ctctcagcct	tgaggagctg	gtctttggag	33060
aatacatgtg	tagtcacact	ttgttttcat	ttttaaagca	aaagaacaaa	acaaactctc	33120
tagggggaaa	atgggctggg	agagaatgga	agagagaaac	ctaataacat	tttaaacat	33180
ccaggagtta	agggattgct	tgagtcattc	agatcaaaga	aggctctttg	gcacaagttg	33240
gagctctccg	catttgaaaa	tggagaggc	aaagaggagg	aagctttgag	agactttttc	33300
aaaccgggac	ggtagcagat	actcagaact	ctgcctgtag	ggaccaggcg	gggaactcag	33360
gcagggttaag	gcctgtgggc	aaactggaaa	gcccaggcca	cctgtgaagt	ggctgtctgc	33420
tagtgatacc	agatgcttgt	tgtggaagaa	ggaagttact	cttgccagaa	cagctgaatt	33480
ttcaagagaa	actgaacatt	gagatttttg	tcattagaac	ccctgatttt	tttacctgat	33540
gaaatcta	catcattttt	aaacttttaa	aggggcaactg	agcaggcaag	atcaaacata	33600
tagcctaagc	aatgtactcc	ccatgtctct	tctatatgta	gatgggggtg	ggttccttaa	33660
gggctttagt	tgtatgttct	gtgaatgaat	agaggctaga	ttccagacaa	aaatgattag	33720
cagtgcactca	acttttagctg	cactttggaa	tacctgggtg	ttacctggga	ctgcagcctg	33780
agcactggga	ttttataaat	gcttctcaag	tgattccagc	atgcaaccat	gaataagaac	33840
cactatgtta	ggatattgctg	agaaggttta	agcattacag	aaagttgggt	tttaacttga	33900
taagatacat	aatcttatca	agacacatgt	gatctctgaa	catggatcag	ggaattgaca	33960
ttcaatataa	atggcatttt	cttttctttt	tttagactct	tttgagagtt	ccagttaaaa	34020
actctctagc	atcattgctg	atggccgtaa	ttaatatctt	tgggttcatt	agcaatcagc	34080
taacaacaga	catccatttg	caaaacaagg	gtatagtgg	agaggcaaaa	cacaacgaaa	34140
gccaaaggac	aagtgaagc	cctgagcaca	gataagtatt	tacagggaaa	attaactttt	34200
tttctgatgg	ccatgaagca	aaatagacag	tagagcaaa	ggagcctttt	acaagagcag	34260
ttcaatcttt	gtccacattc	taatggctat	aaaactcacc	atgaagctag	caaatgggtg	34320
atacaactaa	tactttcagt	cttttcttcc	ttatttcaca	ggctttatgc	attataaata	34380
acacgactaa	gtctcagcgg	ttgtatccat	ggctagttct	tatttcagct	ttgggttctc	34440
ttgctattta	ctatgtttct	cataaaagat	gttagtggtg	attgagtata	tgaaatcatg	34500
tacaatggaa	tgtaaatg	ggcattccct	cttgcctagg	tatatcagaa	gaggcccaat	34560
acacttggtg	ccaagggaagc	tcaccttcta	aaaccagatg	gtagcttgcc	tataaaagga	34620
tacactaaga	ggttctaccc	aagttatcac	attggcagcc	tccagcttat	caagagagac	34680
tttaaagaac	ttggcagtg	ggatctttct	agagggcggt	gtcaatttag	gaagcatctt	34740
cgtcttcatg	cctcaccttt	ccgataagtt	tgtttcttcc	ttaatgcaaa	caaaatgaga	34800
gacactttga	tgggaccact	tgcagagctt	gacatgtgtc	atctggattt	taacagacag	34860
atatctatga	gatatctgac	tcacacctga	aaacactgta	actagaacta	ctctctctct	34920
ctctctctct	ttctctctct	ctctctctct	ctctctctct	ctctctttat	gcctaaaaca	34980
gagctatgtg	gaggctaagc	aggacttcca	aaatttgaaa	caaataagga	acctgttcaa	35040
agaaggcaga	ttgaggcatc	ttgaaagaaa	ttgcctggca	gggtgtcatg	actccattag	35100
ggggaacgta	ccatttgaag	ccaagagaat	aaagaagtca	tggatgacta	gcttgagaag	35160
gcgtaactgg	agtcagggaa	acagttactg	agagagatgt	cctgcaatgt	agggaaaaag	35220
agggagcttc	cccaactca	acacaatgct	ctatgaaaca	cacatcagtt	gggatgttca	35280
ctaaactcag	aggatcacaa	tgacagatta	taagagcgcc	agtcaagtta	gaacttctta	35340
ttccatctta	cgaccttctc	cttcttcccc	tacactcctc	tgtattcttc	ctcttgctcc	35400
cccacagcct	ctatactctg	agaagcagtc	tcttgctctg	ctccttctgt	gaattgttaa	35460
ttcaattatt	tcaaatcttct	cacttcattc	tctgtctagt	gggtgtgagt	cctgggtgtc	35520
tgggatctc	atatgtgatt	tattgtgggtc	agaatgcaaa	aatataggca	aatcataaac	35580
atagtagtta	aatttataat	tatttggatt	attgaaatac	atctataaaa	agtattttat	35640

## 34546 - SEQLIST.TXT

aatttgTTTT	gaatactttg	tctttggaga	ggccagaaat	cacagacagg	aaaggaggag	35700
gagatagaga	gaggagaaga	tggggaaacc	aacctggcct	ctcctcctac	tcctggattt	35760
ccaatctgat	aacagagttg	tgagaaaaga	cagagcttaa	gtttacatgg	ataagacttt	35820
tgactagact	ttttactacc	ttggaaaaaa	gcttttttaa	aaaatttatt	acctgttggt	35880
aatcagaaaa	gccaagagag	aactactcag	agttttatta	gttagaggaa	cctggggatt	35940
gagggtagt	actcaaaatg	tcaggtttgg	aggggcagaa	gcaaaattta	aaaaattggt	36000
tatacctgca	acctgtcaag	tccagttttac	acaataatac	aaaataaacc	aattttaactt	36060
gaacacataa	aatgtttttca	tgatgtggat	tcaatttaac	aagggcacaa	catgatacca	36120
cagtcattctt	tcaaaattctt	catcttttagg	attcagcttt	ggtaccttaa	agatatattg	36180
ggttacagca	acattttctgc	aggaagctaa	tatgtattcc	ttaaaaagag	ttccatgatc	36240
aaagatatattg	gtgacaaact	tgttcactca	aaaaataaat	agaggccagc	catggtggct	36300
catgcctgta	atcccagaac	tttggcagga	caaggcagga	ggatcacttg	agccccagag	36360
ttggaaacca	gcctagacaa	tatagcaaga	ccctgtctct	aaaaaagaaa	tagctgaaag	36420
tggtggcatg	tgctgttagt	cccagctact	tgggaggctg	aggtgtgatg	atcatctgag	36480
tccaggaatt	taaagctgct	gtgaactatg	aaggctccat	tgacccccag	cctgggtgac	36540
agagcaagac	ctcactcaaa	aaagtaaaat	aaataaataa	gtaagtaggg	tttttttttg	36600
ttgttttttg	ttttgttttg	tttttaactg	taggtctcct	agaatgtttt	aatgtgtgtt	36660
gtaagggaac	aattctataa	gaaagaatac	ctggtggtgg	cattttcaag	ctcatttggt	36720
caaaggctgt	tattattccc	aaatatttag	gcttccattt	attaaatatt	tgctgaacat	36780
ctaccatgtg	caggcatggg	ggatgggtgt	tggggtttta	ttaaatatat	caaatgggct	36840
cctctcactc	aaagatctta	tgatctaattg	gattgtctat	tttagtcctc	atcttagttt	36900
gaaaatctct	ttggagagat	ctgttctatg	ccatttttca	gatttctgcc	actgcaaaac	36960
tatttgttaa	cacaaaaata	caaattacct	gaggaagaag	ttgtgttgta	aaatagatgt	37020
gtttttataa	aacaaaattt	aaaagtgcac	tcacaaccaa	gcataacaaa	tatgctttgg	37080
tcacctttcc	tttctgtcct	tgatcaactt	cagctgatta	tggaataatc	ttgataaagt	37140
tataaagtca	tccacctctt	ttttctctag	gtctaactcc	tttctttgta	ttggacgtca	37200
aatccccaca	ttctactctt	tctgtctcct	cagaaaagat	ctgacatcag	tcattcggat	37260
tggtgtgggc	ttcctgtgag	atattttgac	aaaggttttc	tttatgtgtt	agcactgaac	37320
agttttggca	atttttctcc	ccttcaccag	cctactacac	atgaccacac	aggtgtttac	37380
atatgtacat	acacacacgt	gcacacttac	cttctttcaa	aacaggccaa	atgcaacatc	37440
ttgtctcctt	cttgacaggca	aagtagggaga	cctgtgttga	gtgacagaat	tcctttacct	37500
tctgggctat	agcatcccag	agaatgtcct	cacctgggag	ttttctatgc	atggcttttc	37560
ttgattccca	ggaagatcta	catccagtta	acttaactat	ggcagctgaa	tcctgacaat	37620
ggtgtgaagg	aaaacatggt	ggatacaaat	gagcaccatg	ggtaacagctt	gatgatgtcc	37680
agctttatgc	ataatgtgga	ctggcagggc	ctttgatcat	gcctcaatag	ctgtgaagat	37740
agcagatggc	aaaagaagtg	gtaggttcta	agtaggttcc	ccttctctac	tggttgccac	37800
agactcaaaa	ggaattttta	ctacaggaag	ggacccaaat	attctagcct	agcctctata	37860
ctctgaaaag	cagtctcttg	ctctactccc	tctgtgaatt	gttaattcaa	ttctttcaaa	37920
tttctcaatg	gatttctctg	ctagtgggtg	tgggctcctg	gtgtctgggg	atctcataca	37980
tgattttctg	cgggtcaaat	acaaaaatgt	agggcaaat	ataacatagt	agttgaattt	38040
ataattattt	ggattattga	agtacatcca	taaaaagtat	tttataagtt	gttttaaggc	38100
cttgacctgt	tcaacataatt	tcttaaatgt	atctcaattc	cttctacatt	ttgctatcat	38160
acgtatcgcc	atttatgtct	aggctaccat	catctaagac	cacaataata	ggtaccaact	38220
tatcttccca	cttttgtcct	ctgcaattga	aaaataaatc	aggggtttta	cttctgacca	38280
aaatggaggt	ctcaggtggt	tgactaaagg	tagtagtaga	ctgtgatgct	aaaataaggg	38340
aaagcaatga	cgtgacattg	agtgattgtg	agtggccaac	catccccatt	ctcctagttt	38400
gcttgggact	gagggagttc	ccagaacatg	agactttcag	tgctaccact	gaaaatgtcc	38460
tgccaaaacc	aggataagtt	gttcatctga	aagccctgtg	tttttaccac	ttgacagctt	38520
gtagaaagtt	tccagtctgt	agtacaggaa	ggagagactc	ttatatagct	tgccaggctt	38580
gagttgagga	gatagaagca	aaaattttga	gagacaagga	ggctagaatt	tgaagggtga	38640
gtagtaaaa	gaagaaagct	gcacaaagag	ggagacagta	gactacagat	gtgcagaagg	38700
gtccctttca	gttaattgag	ttctgtatct	accattcatg	agagatgtct	tagtctgttc	38760
tgtgtttcta	taatggaata	gctgacactg	ggtaatttat	caagaaaaga	ggtttatttc	38820
aatcatgctt	ctggagggtg	ggaagtccac	aaagcatagc	accagaatcc	acttggtctc	38880
tcgtgagggc	ctgtgctgca	atagaacatg	acaagaagta	gaaggggaag	cagacagaga	38940
tcaaacacaa	gaggcacccc	actctcctaa	gaactaatcc	atccctgtga	gagctaattc	39000
aatcttgtga	gagcaagatg	gcacttctca	caatcttggt	agagtaagaa	cccactgacc	39060
accgtgagaa	tcgcaccaag	tcccccagta	aggcagaacc	ctcatgaccc	aaatgtctcc	39120
cattagattc	cacatcttaa	agttccatct	cctggcattg	ctgcaactgg	aattaagggt	39180
ccaacatgag	ttgtggagga	gacactcaaa	ccgtagcaag	aggcaactat	ctgagactgg	39240
ggaaagaaat	atcagaaaaa	agtaagtga	aaacccatgg	accctcacac	agggctgcaa	39300
ttagtttgtg	atcccaaaag	aaggaaagga	aattgtcata	atccaataaa	cattgggtag	39360
aatattcaga	ggagccctgt	gttagtaattg	aggataaatt	agccttaggc	taaagactat	39420

## 34546 - SEQLIST.TXT

tctggaccca	tcctaacaaa	gcttacagga	taggatccaa	ttgcttccaa	ataactgtgt	39480
ttcagaaaaa	caaaaaacaa	acaaaaaaa	actaacatta	cttaaagaaa	tataacaaaa	39540
tccataaatc	aaggagcaag	tcaagaaata	gaaaaagaat	cagaaatgat	ggagatgctg	39600
gaactaacag	acaaaaatct	aaaactatta	taaatattcc	ctacatgtcc	agtaaggtag	39660
aggaaaaagat	gagcataata	aagagaaaaa	ttgaagatat	taaaaaatac	tcaaatggaa	39720
cttctagaga	aaacaattat	aaatgagtga	tcaaaaaata	aactacaggg	ttttatagaa	39780
aattggacac	tgtaaaagaa	atattgggtga	acttgaacat	aaagcaaaaag	aaaatgaccc	39840
caaacaaaca	ctgagagtaa	aaaaaaaaa	gacaaaaaac	ccccagaaaa	tcagtggagt	39900
atgggaaaaat	ataattgtta	taacctacaa	gtaattgaag	ttcaggagga	gaagtggaga	39960
atggaatatt	ttgaaataat	gatgactaaa	agttccaaaa	tttgatgaaa	atgataaccc	40020
aaagactcaa	gaattttccat	gaacctcaag	cagaagaaag	gcttttaagc	aataaaggaa	40080
gctaagaaaa	atcatagtaa	aattggcagg	agagtgggaa	gaacagtga	aaaaacattt	40140
tttaagagca	accagagaaa	aaagataggt	tacatggcaa	ggaacaaagg	tgagaataat	40200
gccatccitt	ttgtcagaaa	ctattttaagc	caaataataa	taggcattct	taaaatataa	40260
aaatgaaaaa	aaagttaatc	aagaattgtt	tatacaatga	aaatatcttt	caaaaaatcaa	40320
gtcaaagaca	gatttttcaga	caacaaaagg	aggagatgac	tcataatcac	caagtgtgca	40380
cttaaacaaa	tattaaaata	aattatctag	gcagatgaaa	aatgataaca	ggtggaaaaat	40440
ttgggcctac	acaaaggaat	gaagagagaa	atgaataata	tgtagataaa	tgtagaacag	40500
attttttatt	cttttccagc	ctctttaaga	gatgaataac	tctttaaagt	taaaaacaaa	40560
aaagaacaaa	ttctggagtt	tgtgtcatac	atagaagtaa	aaagcatggc	aacctagcac	40620
aaaagggtta	ataggaatag	gatggatact	gatgcaaggt	ccatatacca	tgagtgaagt	40680
cgtataatat	tacatgaagg	tgaactgtga	taaattttaa	atgcatatgt	actgtaaacc	40740
tcagaagaac	cactaaaaat	agttatgtct	aacaagacaa	tagtaaaaaat	aaaaataaagt	40800
aataaaaaata	actaataaaa	ataataacag	ggagagagga	ataaaaaaca	aagagaagac	40860
aagtaaataag	aaaacaaata	accaatatag	aagattttaa	accaacagta	tcaatagcta	40920
cactgcatgt	taacagtcta	gacacttgaa	ttaaatggca	gatactggcg	ggattggatt	40980
aaaaggcaat	acccaactat	atactgcctg	aaatatagta	cttaccaagt	ggatttttaa	41040
aattaataat	aaaagaatgg	accatgcata	accatgcata	cactaaccaa	aagaaagctg	41100
gagtaactat	attaatatat	gacatcttat	agttccaata	tttatagttg	gaaaattaac	41160
acctcaatct	cagtaattga	tagcaaaagt	agacagaaaa	atcagtgaag	atacagaaga	41220
cttgaataac	actgtcaatc	aacttgacct	aattaacatt	tatagaacac	tccatacaac	41280
aagaggaaaa	tctacattct	ttccaaggct	attcagtaag	atagacaata	tcctgggtca	41340
taaaaacaagg	ctcaatcaat	ttaagagaat	taatgtaata	caaagtatat	tctctgacca	41400
caggagaatt	aaactagaac	tcaataacgc	aaatatatct	gcagaaaact	ccaaatattt	41460
ggaaacccaaa	ccataggtca	acgaggaaat	cacaaatgat	atcagaaaag	attttccctg	41520
aatgaaaaca	aaacacaata	tatcaaaaaat	tgtggaaatgc	aactaaagca	gtgcttagag	41580
aattttatagc	attaaatatt	tatgttagaa	aagaaggctt	tcttaaatca	atgatctcag	41640
cttccacctt	agaaaaactag	aaaaagaaga	ggatattaag	caaaaagttaa	aaataaaaaat	41700
aaaagctacc	tttattgaac	acttaccagg	cattatctta	agtgaatttat	gctaagtgct	41760
ttttccaatc	tggtcataac	attatgagtt	agtcattgatt	aatatcccac	atttcagatg	41820
aggaaattaa	atcttgctga	acttctgtaa	cttccaagtt	tatgtagtta	accaagagcc	41880
agagttatta	tttgaactca	ggtctctatg	ctgttgtaac	ttcaacatcc	tacagattga	41940
gtgtatttat	accgtaaagc	atattttatt	atcttcagggt	ttgatatttc	tttgttgcat	42000
atatattata	catatatata	aatactatat	acacatacat	acacgaattc	ttcatttacc	42060
tagaaccaaa	aggaccttct	cctagcatgc	tggagaatgt	ctagagacca	gacattgcta	42120
ttatcatctc	tgaaaaactgt	ggcatcagtg	aaatgacctt	ccatgaagga	tgtcactggg	42180
aagtctgtga	tggcagtgcca	tgaataattt	gcacttgttc	ctgccagtct	ttcaagctac	42240
atgatctcga	gtcatggaga	tatgggtgag	caactgagta	tcacagtgtc	ctccatggcc	42300
accataactc	actcaagtct	taatatcttc	tcgcaaggat	aaacccagcc	tccttaaaac	42360
aaaatcaagc	tcatgttctt	tacatgagaa	gccaaattca	tctttctcca	agcacaaaagt	42420
agtaaaagag	gctggacatc	tgatttctat	ttgtagaact	gccaggcaat	tattgtgtgt	42480
cttgggcaag	ggacttgatt	ttctaaatcc	tcagttttct	ctgttgcaaa	atggaagcaa	42540
aaagatctct	ccaatgtcct	ctccttgttt	gctgctttct	gcactttttc	tcctacacaa	42600
ttgacaattt	taactgcctt	atcgggtataa	ctactgaaga	atcagttccc	aatatccatg	42660
aaggtaaaaag	tcagatatta	ttattcatcc	actccaaatc	ctccaatgac	ttcccatttc	42720
actaaaataa	aaatgtaagt	ccttacgatg	tcctcacacac	atagttttct	ccatccctct	42780
gtacagccta	ttatttcttt	ggcttttatct	attattcctt	ccctctgtat	tagtcagctg	42840
ggttcccgtg	atgaaatacc	actgactgag	gagcttcaac	aacacaaatg	tatttattta	42900
tttattttat	tttattttat	tttattttat	ttttgagaca	aagtctcacc	ctgttgccca	42960
aactggagtg	cagtggcaaa	atcttggtct	actacaacct	ccacctccca	ggttcaagca	43020
atttctctac	ctcagcctcc	cgagtagctg	ggactacagg	catgcaccac	catgcccggc	43080
taatttttgt	atttttagta	gagatggagt	ttctgtatgt	tggccagggt	ggtcttgaac	43140
tcctgatctc	atgatctgcc	cacctcagcc	tcccaaagtg	ctgggattac	aggcgtgagc	43200



## 34546 - SEQLIST.TXT

caccatgcct	ggccacaaat	ttatTTTTctc	acagtcctag	aggctggaag	tctaaaatca	43260
agggtgcagc	agattttcatt	tcttctgcag	cctctctcct	tgacttgtag	atgactgcct	43320
tcttgatgtg	tccttacatg	gtctttcctc	tgtgcacgca	catacctggg	atctctgtgc	43380
atgcccaaat	tccctttttct	tataaggaca	tcagtcagat	tggatgaggg	cccaacctga	43440
aggcctcatt	ttaaacttaat	cacatcgtaa	aaggccctat	ctccaaggac	tcttagatat	43500
attagagggt	agggttcaa	tgtgtgaatt	tgataagggg	agggaacataa	ttcagcccat	43560
aatactctca	cttactgtgt	tccagctaaa	ctggctcttct	gcatgggtctt	caaacacact	43620
cttgtctcaa	ggctttttgca	ctggctattc	cttctcccctg	tgccgctgca	aagaacgatc	43680
atgtttgccg	caatcttgta	gttttaagga	ctttttcata	acctaattgca	catgtcaacc	43740
catggccaga	accctatgta	agattttatcc	ccaattttttt	ttttggcctc	cttgctcctc	43800
tcttttaatt	tgttccctttt	ggcttcctta	agtattaact	ctaacagata	acagctttac	43860
agtttggtt	cccttggtttt	attcaactca	gtttcagggtt	attataatgt	cttcattttcc	43920
gatgtggccg	ccatattgga	tgggtgctgaa	tcacccattc	aaaagaaatg	tgttaatgcc	43980
agtttatgtg	ccagtcacatg	ttagtatctg	gaaatacaca	ggaaaatatt	agggttagga	44040
ttaatgaaga	ctaatagaatt	cagtagtggt	atacacagag	tatcatcaga	gccccaaaaa	44100
ggaaacattta	tatgaaagaa	tatcaggaag	gcgtctggaa	agagttggta	ctacagctac	44160
agtttgaaaa	atgagcaact	tagccaggta	tacagagggg	aagagaattt	tctagactct	44220
gttagcatca	tgcataaaag	tatggaagca	tgaaacagta	tgatacattt	acagaaaaagc	44280
gcatgtagag	aagtatgaga	taatggggct	tgattgatag	aaggctagag	aataaaaaatc	44340
atgtgtgcta	agataattta	tcttgaaaag	tccagggagc	attttaaaaat	tcttaacaag	44400
ggaatcattt	ggtcggatct	ccaatttaga	acgttttagta	ttccatcatt	gaagacagtgt	44460
acatgaaga	gtgagttctg	gatgaaggaa	gccaggtagg	gagttactgt	agtaattctt	44520
ctatgaagaa	atgaggacta	gaacaagagc	agaggcaaca	caaataaat	ggaaggtagc	44580
gctatatgac	acagtaagga	aattgaatct	atagaattgg	tgctgggttt	aaacatgaga	44640
attgaacgag	aagaaaaactc	taaaataaat	cccagggttc	tgggtttggc	aaagaaagag	44700
atgatgat	tattcatcat	tagaaggag	agaaacatta	acttgagag	acattgagag	44760
tagtgaaact	tccgtaagag	ctgtccagt	aacagggtat	tttatacatt	ttgtcaagg	44820
caagaaaatt	tcccattgat	tggggcctat	ttagttgcct	tcttcttctt	gcaagagtac	44880
tatTTTTctc	aacacacctt	gtaatcttag	gcaaagggaa	gaaggctttt	atttgaggtt	44940
gcttttat	gagaccaagt	ataactaaaa	agatatagca	tatcctcaac	cccaccagc	45000
ccccattcat	tgagcacct	cctaagggtg	agatgtcccc	tgtatcccaa	aaacgtgagt	45060
ggtgactaag	tgtgatgtgg	cacaaacgtt	gaccacacta	aagtgaccac	atagtacttc	45120
gctgtcctca	ctgggaaaca	aaacataata	caaataata	atgcttcaca	gagtagcagg	45180
tgattctttt	tttttttctt	aaagtcagat	ttattgaggt	atagtttaca	ctaaacagtt	45240
tactttttgt	aacttttaag	ttcagaggca	tcttttgacc	tcaaaaacct	agttaagtaa	45300
gcaaaggaga	actttttttt	tgttttcatt	tactgatga	ggaagctgat	gattaaagag	45360
gttaaagtac	ttgtccccgg	tcatacttag	tcttgagtaa	gcaagattaa	gtcttctgac	45420
tcttaattct	gctttttcca	agatatcaca	gaggatcttc	cagaacagct	tacttagaaa	45480
ggacataata	tctgtttcctc	ataacagttt	tatggttaata	ggaatttaata	cttctaagta	45540
atcaactcag	gctttttccac	ttaccagtga	aattgcagga	ggaaactata	gaacttgaaa	45600
cactatcttc	cacatttctg	tattgatcct	gtttgatggg	ttgtgatatt	aagggaatac	45660
atgactatca	tctagtgttt	caagaccaag	cccttcaaa	tagagtaagc	cacaacataa	45720
aaagtgccta	gttaccttct	tggctctaga	gagtcattaa	atccaacctt	tctcttctgt	45780
ctagctgcct	aggatgggt	tctgttttaa	tcatcatcat	cattatttgt	attagtctgt	45840
tctgcattgt	ctataagaa	ctaccgaga	ctgggtaatt	tacaaagaaa	agagatttaa	45900
ttgactcaca	gttccacagg	ctgtacaggg	agcatggata	tggaggcatc	aggaaacaca	45960
atcatggtgg	aagggtgaag	ggaagtaggc	acatcttcac	atggcagagc	aagagagaca	46020
gagtgaagg	gaaggtaaca	cttttaaaaca	accagatctc	agccgggcgt	ggtggctcac	46080
acttgcaatc	ctagcacttt	gggaggccaa	ggtgagtaga	ttgcctgagc	tcaggagtct	46140
gagaccagcc	tgggcagcat	ggtaaaaact	cggtgtctact	aaaatacaaa	aaattagccg	46200
agagcgggtg	cacatacctg	ttatcccagc	tactcgggat	gctgaggcac	aagaattgct	46260
tgaacccagg	aggcagaggt	tgcatgtagt	tgacattgtg	ctactgcact	ccagcctggg	46320
taacagggtg	agactctctg	tttccaaaat	atatatacac	acacacacac	atacacacac	46380
acacacacac	acacacatac	atatatttat	ttatttat	atttat	ttatttgtgt	46440
gtgtgtgtgt	gtgtgtgtgt	gtgtgtatgt	gtatctgtat	gtgtatgtgt	atatatataa	46500
acaaccagat	ctctgagaa	ctctataatg	agaccgcacc	aggagatgg	tgctaaacta	46560
ttagaacacat	ccccatgat	tgaatcacct	cccgcagggt	ccacctcca	acaccgcagg	46620
ttacaattca	acatgagatt	tgagtgggga	cacagagcca	aaccatacca	ctattttatc	46680
atttctatta	agagttccct	gcatttcaat	ctggcctaga	atacctgctg	agatcatatt	46740
cttatgggta	ttaaagtata	gtgtcataaa	ttaccatctg	caaaatacta	tttcagaagc	46800
tgtaattctc	tgtcaagttc	tctgttatat	tgctacactc	tgcatatttt	tagaaaagtt	46860
aatattatat	atgtatactt	ctgcattaat	gactttattt	tgattcttgt	ggtatctcag	46920
gaatgtaata	tgcaaagttt	gtatagatgt	ttttcttttag	tgtaatgaat	tattaggata	46980



## 34546 - SEQLIST.TXT

tgactctttt	gtaaaagggg	gaaagaacag	taatttgaat	ccctgcagag	atagcaatgt	47040
atlttgagac	aatttgaaat	gttttatctt	tatctactaa	aaattccagg	ttgaaaagaa	47100
taaaatcacc	tcctctctct	aaatgcttta	ctctggtagt	attattatgt	aattattcac	47160
aaaaaggtgt	gttcttggtt	cacaatcaat	accttctcct	tggagatttc	aaaaataaat	47220
agatgagaaa	ttatgtccct	caaaaaagac	cacaaaagtt	tatccagaaa	actttccctg	47280
tattgatttt	tctttaataa	atgaagctac	atgttttcat	ttttaagaaa	tataaaacct	47340
taacttgttc	ttctctcttg	atacagttta	ggagggtctg	catgcattct	ctaacctcac	47400
ctccttcccc	tttctccaac	tacactgtcc	tctttcagtt	caactgaacac	tccaagctca	47460
ttcatgcctc	agggcctttg	catatccaga	tatctccttc	tgctcactcc	ttattaccac	47520
catgggtccat	ttgaactgga	tcctcccagt	tttttctcta	tcacttcacc	ctattcattt	47580
ccttattaca	atttacaaaa	acaaaaaggt	gttacttctt	atctctcttg	ccagctctat	47640
cagagctgct	accacatctg	tgttggatgt	catgtataac	cagcggctag	ttccatgcct	47700
ggtaacatcat	tgcttaatat	ctttttgttg	aatgaatgaa	tgaatggatg	aatgacaaaa	47760
attcctaatac	aaattttctg	ttgtacctt	ttatacttac	aacttaatat	tacatcctta	47820
tactctaatac	tcatacatac	ttctataaat	aggagaaact	ttacctacag	aaatagcaca	47880
ctaagattgt	aagcaggaga	aagataaactg	aagtttttctg	aatttagaat	ctattctggt	47940
cactttctaa	tgagttccag	aatctatgtt	cccatatctt	tgggaagcaa	ataattgact	48000
gttaatagct	tttcaaatat	gtcatcagaa	tggcagatga	ggcctgaaat	tctcaatgga	48060
ttgacaaaaa	gcccctgtcc	tcttggtaga	atgaaatata	gtacttgtaa	cacttcctta	48120
cttcccccaa	attacttatt	ctttaagtta	cagaaaagga	attccacaaa	ctacaatgaa	48180
aactcaaagg	aagtaattac	tttaggtaat	atacaagtta	atactatgtc	ttttgtttgg	48240
tttttcttca	gacagaaaaa	aaacccaaact	ttttttttaa	ttcattcttg	aatttttagaa	48300
accattgtta	aagtattaat	catttctgag	ccatccgtag	attgagttaa	ttcatccttt	48360
ctttaagttc	cttcaacaa	acttagccat	gttttatgat	gtataaaaca	tgctaaaata	48420
tttttaattct	aaacccaaaat	ggatttttgt	caggatgtgt	gaccctgagc	agtcagtata	48480
tgacagggag	acccaaacaa	cccaaccagt	tctgatttta	cacaagttcc	ttgccttctc	48540
ctttaacata	tatcggaatt	gctacccttag	atgggtcagt	gttatgggaa	gttgacagac	48600
agaaaatgca	gtatttatatt	aggtcaaagg	ttgacaaaact	tttcctgtaa	agtgaatatt	48660
tcagactttg	tgagacatgt	actcgtgtgc	acaatgacac	aactaagcca	tcttagaggg	48720
aaagcaatca	cagacgatat	ataggtgaat	atgcataagc	aggtgcctta	cttcaggctg	48780
ctgtcacaaa	gtaccataga	ctgggtggct	tacaaacata	tttctcactg	ttctggaagc	48840
tgaggagtcc	taggtcagag	tgctctctct	ctcagttaca	gactgctgtc	ttcttgatc	48900
ctcacatggc	aagaagagga	caagagagct	ctctggagtc	cctttcatga	ggacattaat	48960
ccattccatg	agggctaaaa	cctcataccc	taatcacctc	ccaaaggctc	taccacctaa	49020
taagatcaca	ctgggtgcta	aaatttcaac	atatgaattt	tgggaagaac	acaaacattc	49080
agtccactgc	agtgtgctat	aataaaaactt	gatttacaaa	agtacactgt	aggccagaca	49140
tggcttgag	accatagctc	gacaaccttt	gaattaggtg	atcactacaa	catgtaaatg	49200
aatatgcatt	gtgtcttagt	tcaggctgtc	ataacaaagt	accatagaca	tgggtggtta	49260
caaataatgtt	tctcacagtt	ctggaaacta	gggagctcta	agtcagagag	tccctcttcc	49320
cagatataga	ctattgtctt	tttcttgat	cctcacatgg	caaaaagagg	ataagagcac	49380
gatacctaga	tgtatttggt	atggggagtc	agccatttta	acatttatta	aacacccact	49440
aaactccaag	gtttccagac	agtgtcataa	ataagcttca	caactgatct	gtattcagta	49500
gatgtgaaaa	ttgaaactgc	ctgggtatta	atctgtgtgg	ccaggccatg	aacctattct	49560
cttccgtcag	gttcagccct	taagcacaca	tgccacagag	tcaaaaacaa	cctagggttg	49620
aatcttgctc	agctattttac	tgatgggtgtg	ctgtatggaa	aattactaga	cctctgtgta	49680
tctcagaatc	ttcccctatc	tcatggagtg	gctaggagga	ttaagaaata	aaccacaaat	49740
agcactcgct	tagaacagtg	ctctctgtct	aacgcatgtg	gctagctttg	accacaattc	49800
tgacagacct	tcagggtcca	gagagttctt	tcagaagttc	cacaaatgtt	tgattttaat	49860
gctgctaaaa	aatatttttt	actacttaaa	ataccttaat	aaaaagaaac	atatattcat	49920
gcaatgtata	ccaaattgaa	cacataattct	cattctatat	gttaacttgt	gttgctcagt	49980
aacttttaca	cagacattga	agcaaaagctt	ttcctgttct	tcctgtttat	ttaaaaattt	50040
tgacagagaat	tcaaggtaag	ctgataaaaa	taattcttac	cattgtaacc	acttagctgt	50100
gtgaatcaga	attgtcttga	caactgtcag	ctgaagtaaa	aacaatctaa	aattggaggc	50160
tgagggtggac	ataagattct	catctctaata	attgtgttaa	tcagaaaaac	tttattattc	50220
ccattgattg	gctttacaat	aagtaaatgt	tataaatcgg	ttttaaagcc	tttatatgaa	50280
aatgactcac	tttttctgtt	ttatatattt	aaggtttcat	gtaaaatttc	atttgagctc	50340
aaaaaagaca	tttttcagca	gaaacattta	actagtactt	aactagtcaa	gatctgcctc	50400
tttagattgg	ggcttttttt	agatcaagac	ttgattctta	cgtatctttt	ttaaaaatta	50460
gactctgata	attaggtcaa	gacaaagagt	tacccaagca	gagttcttca	ttctccttta	50520
ctctcctacc	cacatcatta	tgtccttagtg	gccttaatat	atattttctc	cttagatctt	50580
tataataatc	ctctgagttt	gccaggcgag	tgatattagt	ctcataaatg	agaaggtga	50640
atgagactca	aagaatataa	atgactccca	agggcatatg	actaaacaag	tggtagggtc	50700
aagactcaaa	tcagaaggct	tctgactact	aatcgagagt	ttttccacc	cgttttgatg	50760

## 34546 - SEQLIST.TXT

tcaaagatgg	ctgagatfff	ggggaggggg	tttgggaggt	cagaggtgac	ccttttagcca	50820
ctgctgaagc	tgatagagat	gcaagatcag	taaacaatc	ttattctttg	tttgtttttc	50880
catagggttg	ctaggctttc	tagtgattaa	aaaaagcaat	gtagacactt	gtaaagtgtt	50940
ttaattttatt	gtcctggact	ctgtctcact	tggtgcaaga	gtcatttgac	atgacgcctt	51000
gctaagaaat	ccacacgtag	gtctcaaatt	cagtcctggg	tgatttccta	gggtctatgc	51060
tccatgaggg	cagggacagt	actagatatt	tgtgtccaca	aacatctaga	ggcatccaat	51120
tcttatctgt	tcataaatat	atgatagaat	caaccatcat	tctatacatt	tttcttttaga	51180
tcttttttcc	ttttgctacc	attgcttttt	ggaccattat	tgcaggcata	tcataaaactt	51240
ccttggtaac	tcttggcatt	ttggctctgc	ctccctcaga	tttttttctg	cataatctca	51300
aagcatccag	caatgcttct	ccagcgcttc	tcagaacaag	gcccagatta	tcctcctggg	51360
attcaagttt	cttcatgata	tgggcatgcc	ttatgaatac	accttcgctc	tggtctcatc	51420
accgtccctg	cagtcctctc	tctatatggg	acatgctcat	tgctgctttg	tgtctctgcc	51480
gttgcttgct	tgtttgccag	ctttcatttc	tctacacaga	tccaaattgt	acccatgatt	51540
tcctaccta	ttcaactcta	attttctatg	atccctgccc	cagtaatttt	agcccataag	51600
aatttttata	gcacaaattt	tgtacttaat	gacacttgta	ttatttcatg	ggttagttag	51660
tgcaatctct	atgaggctgt	aggcaatcaa	gtaagatatt	taaattgtac	ccacattgtc	51720
ctaccttccc	acactgtaga	cacctactaa	attggagtaa	tgtgtaataa	aataatttat	51780
agatttaagt	aattgaaatc	atcccaaggc	acagagagaa	caaacaaca	tattcctgag	51840
acatgtctaa	ttcatgtgcc	atgggtatct	tgagataatt	ttccactgta	cttttaataa	51900
aagagacacc	taaattatft	catagtttgc	ttttgttttt	cctccttgag	cattgccatg	51960
gttattgata	tttattaaat	caaatctgcc	actgaagcat	atataaccac	tcaagaatga	52020
attacagcaa	atattttaact	gcctgcctgc	ctttgaattg	gttaatcaga	atgagtgatg	52080
cattagctgg	ttcaactcct	ttcacctgga	aagatggcta	tcgattccct	ttattgtgat	52140
ttaaaagatt	tgaggaaagt	ctaaaagcat	ttcaaaagat	ttcaataagt	aagacataat	52200
tctgcttttc	ataaccacta	aatgaaaaaa	aaaactaaat	acaaaaaaga	ttcttcgagt	52260
aaaattctgt	catttctccac	tttttattgt	gttaaaaaaa	tcaactataa	tatgagtga	52320
agtcaagtct	tgctgggtatg	tatgaaatga	gaagagaggt	gctgtaggtt	attaataaca	52380
ggggatgttt	tgtacctgtt	ctggaagatg	aatatgcatt	tttgtgttgg	agccagtcca	52440
taagtcaaat	tccttttaaaa	caggcagagg	ccagccttgt	tctggctgca	gcctgcacgg	52500
ccagaaaaac	agaggaagaa	gcgccttcca	ccagcatgaa	atgttatcca	ctttgatatg	52560
taaacattct	tcctttcacct	gaagttgatg	tcagggtaac	taaaacacaa	gaacttggtt	52620
gactgagcag	aagcaatctg	ttgtattctt	ctgtttttca	aaaccagaga	taatcaagga	52680
ctgttatgtc	agatgctagc	tgacctaaact	tttgagtggg	aaacgaacca	ggaatctgag	52740
ataactggat	agtctccgca	tattttttaa	aaatcagcat	gtctcttgaa	actgctcaga	52800
cttagctgat	ttttgtagtt	gttggtgttc	tctttatagt	tttttttctt	ttttctctgt	52860
attccagact	cctggcattt	aatctattgg	gtgggaataa	atgacgtaaa	ttgtactcat	52920
atttgcaaaa	agcccaaaaa	agatgttaag	gctgttaaca	acagacgtct	acgctacagt	52980
tgaaatgggc	taggtgaatt	gagacagaat	tctatgaaca	ttttatgaag	ctttccttaa	53040
atttctaatt	gaaaatttgc	actgtttgtg	ttactgttga	ttcatttcat	ttaagtcttg	53100
gtcttgtaga	ttctattgat	accccatctt	tggggatgaa	aaacaatgtt	aaatgcgcac	53160
atttggttag	aaaatgggct	gggtggggaga	cgggaaggctt	tggccgccat	cctagggcat	53220
tcctgtgcat	tgcgatggtc	agcatttctg	tatctaaaca	tcgaaaaagt	acaataaaaa	53280
tacagtatta	taatctggga	ccactatcat	acacgcagtc	tttcttgacc	aaaacatcct	53340
tatgccgtgc	gtggctgtgc	tgagaaggag	gagcactcgt	cctctccaag	cacatccaat	53400
ttgcctcagt	cctcatgact	cccgcctgtt	taccagaact	gagctcattt	gttattgaag	53460
ttgcttttct	tatacccagc	ccagttttcc	attgatgctt	ccgcttattc	tatgtaggta	53520
ttttcattta	tcacacaata	tccctagtct	aagacttcat	ttgaggaaag	aaaaaaaaaa	53580
aaacctctgc	tgctaaaaat	aatttgaaaa	ctcctagaca	ataggacctt	tcaaatccct	53640
tacaattcta	acaaccagtg	aattcatgtc	tcacagccat	tcagatctat	acgtatgaaa	53700
tacaagacat	atgtgttcaa	ctttccttca	tcgcctcctt	taaactttct	tttttctttt	53760
ttgagtcagt	ccctgcagga	acagaccaag	tgagcccat	aagagaacag	ttcattccca	53820
cctgctacct	cgagccagcc	aacaatctca	gcctcaccac	tccattcttg	attatgtaga	53880
accattccaa	tcctgagtga	caggatttgc	aaagacagct	gttgggctcc	acaaacattt	53940
ggaggagggg	aaaatgtgag	gttgggttgc	acatttctct	acttcttttt	actgaaagga	54000
acagctgcga	tcttcacatg	taagatgaag	taaacaaaaa	ctgacaatgc	ccagcaccat	54060
tcagcagtaa	gcattcaaat	ggatttttcc	tcaccgcgtt	tgcaggccc	gcacagctc	54120
agttccccc	agcacagaga	ggaagcaagg	tctttgcatg	ccctgttcac	ttggccaaac	54180
attgccctag	atgtgcaatt	caacccatat	aaagcaagcg	taattcaaga	gccctgactc	54240
tttcaccatt	tcatgatggc	ttattactcg	cacacggcat	tgtcagggtc	cagcaactct	54300
gtgtgcagca	ggcagaaatg	cagtgtttat	ctctgacagg	caaacattct	taggctcatc	54360
ggcatgagta	tccacgctga	actggctatc	ggggaagtag	atccctgcat	gggaaagtca	54420
aggtatgttt	agagggactc	gatgattcaa	ccccattggc	tggttcattc	cttttgtttc	54480
ctctgccttt	ttatttgctt	acacagaaaa	cagagcattc	atttatttct	tttccctctc	54540

## 34546 - SEQLIST.TXT

tcattctctat	taaccactag	ggccatctgc	ccatctgaaa	ctgtcttttg	ctgcatgggt	54600
gtgaatccag	gtgacagtga	aaatgaagaa	gtggtgattg	tccctgcatg	ttttctctga	54660
agggttaact	aaaaaaaaaa	cctttgtgtc	tgtttcgagt	tctccagttg	54720	
aaatactgta	ctcattgaac	tgcaagaaat	aaaacctgca	agtaggcact	gtgctaattg	54780
aatagaaatg	tgtagacag	gggcactatt	tcttaaatat	gcttgaatta	agcaagttct	54840
tttaaaaagt	gggtgggact	tttgatgttt	tacatagtta	tattttcaat	ttcttggtgt	54900
cagtttaaaa	ctcaagattc	tttgtttctg	tgtgtgtcat	tagggcaggt	gttggatgac	54960
aagtaaagtc	actgaaaaat	gaaaaaaaaa	gatttgtgcc	ctaacctcca	tgaatttggt	55020
gacttaatat	atccatacag	atctgacttt	taatcaaagg	tgctcacagg	tggggtaagg	55080
gataaggagg	aatttgtcta	caggatcctt	ttatcctaag	ttgccttaca	acatccaatt	55140
gtgttaccgt	tttttttttt	ttttttacaa	acccattgct	aggctaagaa	gtattgattc	55200
catctagtta	aacatgtcga	gtgagaggaa	gtgatcaatg	gattacttct	tcaaaacatt	55260
tatccccctt	agtggaaatcc	tctgattttt	ataacattaa	agagccaggt	ataggagtgt	55320
ggagaagaat	ttaaaatttg	aaatgtcttc	ttttttcaac	tctgttcatg	aaaactctag	55380
ttaatgcatg	tgttttcctg	ggctctccct	tctacttccc	tccattatca	ccaccttttg	55440
ttgctgtctg	ggctgtgggt	ggcctgaagg	agcatgagat	ggccttcttc	agatatctgg	55500
gttttaaat	cagttcgtat	ctcttaagt	aagtgggtag	ggccaaaaat	gactcactgc	55560
ccagtgggtg	ctggaacat	tatcagcaaa	gacattcacc	tagggagaaa	ataaacacag	55620
aatttctata	tgggcccctc	tttccaacca	tctcctggac	tttggtagtc	ttttctgagc	55680
cagatatctc	tctaaagtca	cttgtgtgta	gacctttttg	tctcatattt	aggaatggct	55740
gaagtctctt	ataaatccca	gatgaacacg	gaggaaaact	actttgaaat	gatcattttc	55800
atgatctcta	aaatgcaaca	aaccgtattt	tctaagatta	acggatgcga	gcctatgaca	55860
ggttcaatgt	gggaccaact	caagggaat	tgatgaccga	attattaaaa	ggcattcatt	55920
acatcgagc	ttcacctgaa	gaggggggtg	ccccagtag	tgcttctgca	gcagaattgc	55980
ttagaaactg	cagaacatcc	acaaggcaag	cacccagggc	cattgtgtct	gactgtcttt	56040
caaatagagg	aatggctagt	tgccatttgc	tgagggcatc	tcctgcatct	agaactgtgt	56100
gcataatatg	atgatctcgc	cgagactcac	aagtatgcaa	gatagaaact	aggtgcattt	56160
ttttcagatt	aggaacttga	gaatggaaga	taactgaga	aggggagcag	gggaggatag	56220
ggagagattg	ggcaacgggt	aagaagttac	agttaaatag	gaataaatcc	tggtgtctta	56280
ttgcacagca	gggtgcctgt	ggttgacaac	attgcattgt	ctatttcaaa	gtagatagaa	56340
gagaggcttt	tgaatgttct	caccacaagg	atatgataaa	tgtttgaggt	aatggatatg	56400
ctaaatactc	tggtttgatt	attacatagg	gtatgccagt	ttcaaagcat	cacattttac	56460
cccataaata	tgtacaacta	tcatgtgtca	attaaaaata	aaattaaaaa	aaattttattg	56520
ataaaagaat	aaaaaatagc	atgcttttgg	ccactctatt	tgataggcat	catttaaaaaa	56580
acataagact	ataaggctgg	gcatgggtgg	acatgcacct	gtactcccag	ctatttagga	56640
ggccgagaca	agagggctgc	ttgagcccag	gagttcgaga	tcagcctgag	caacacagtg	56700
agaccctcat	ctttaaaaaa	tatacgtagt	atagatgatg	taaaaggacc	acctttccaa	56760
atgagtcaat	ttcttctcta	atttaataca	ttcctaggta	gtaagttttt	agagagctaa	56820
actaatctct	tgctatgtct	taggttacca	tttataagtg	ttcttatggg	gggttagcttc	56880
attttatgta	ctaaacactt	atttgaaagg	atcgttgcc	ttttccatgt	gctaatttgt	56940
atagagagtt	tacgtattgt	gggaatttaa	tttattcctg	cattttatcc	agggaaatag	57000
agccagatgc	ttttggacac	ttgttatttg	ctttaataaa	gatatcaggt	taagataaga	57060
aaaatatatt	gattggatat	tgctgtcttc	tctggagaac	gtaaaacctt	tcacgtccta	57120
catcttatca	taccttacaa	ctttagaaca	gactctaata	aaaggaaaat	gttttaactg	57180
tccctttact	tatagggggc	agggatggga	aagtgactac	aattatacta	acagagctct	57240
caattaatct	aaattcaaa	cgaaggctcc	tggtgtggat	cagggaccct	gaataaacat	57300
gctttctagg	agacttcacc	gccagggtcc	aagagagggt	acagtactcc	tgactcctg	57360
atggcagacc	cttggattcc	attgcaggca	gtgacacacc	aagagtaaga	ggagctgggt	57420
tcagccctgt	ccacgtgtgt	ctgctggctc	gcccttctgt	ctggcatctc	cacgcccctc	57480
ctcttccgga	ctcccttgca	tgaccttcca	aacagaatga	gctgttcttc	caaatatgac	57540
cctaactcat	tcaacagctg	gaggcaagag	caaactagag	ctcatgcaaa	gggtatttagc	57600
attgagtcct	ttttttcccc	ctctttctct	cagactaata	gatatttgga	aaattcatct	57660
aaaaaccttt	tttaaaaaaa	tttcattcat	aaaaatagcc	aaggggtttc	tcagagaggt	57720
tccttttagc	aagtcttttg	gaagggaata	atgtctactt	tattattttt	ccttcctgtg	57780
cctgacctcg	gagaggatta	gaggggtctg	gcaaggagag	gagcctcaca	cccagccacc	57840
cacacttttc	cttctgacga	gacccaccgc	catgccatgc	tctgtacaag	ttctctggag	57900
gaacataaga	gccaccttat	gtgtgaggga	ataagaccat	gctttgaaga	gccagacttt	57960
ctccttttac	ttgctcttga	aatgtttttc	actctgatct	gcaagtcaaa	gaaatgatct	58020
attatacatg	tagggacctc	aaaatctgtt	tgactctgtg	caaataaggt	acagtcctct	58080
ccttcttctt	atagttttct	tatcactagg	ggacttgaaa	aggatttagt	tcaacaactg	58140
agtcagcatg	agctcacaca	aaacaaatcg	tttcacacca	atgtcaattt	ctttctttct	58200
tccccccgc	ccccactttt	ttatttaaat	aattcgggtc	gggaaatccc	acatgcttag	58260
tatcattttg	tcagcaagggt	acatgacaac	tctggtcaca	atagaaagtc	gtttagtgaa	58320

## 34546 - SEQLIST.TXT

ttaatgtcaa	ctctggaaaa	agtggcta	gtgtcttggg	gagtttggtc	cttgcctgta	58380
cacctgcctg	aagatcacaa	gagtaaga	gacaggtaac	acacactgaa	tgacaggatc	58440
agaggttagc	aatatctcag	aagcctgcca	tatgagccaa	acccaatata	aaacaattta	58500
gcaatattaa	gtaattatca	cattttgtac	ttcaataaaa	aatttaatat	catgactttg	58560
cggtaggaaa	ggccaagttt	aatgttgggt	aaaaatagtt	tggagattat	atttgtctgt	58620
cttcaatatg	atgtttcttt	caaaatatcc	caaataatct	gaattaagag	tagaaaataa	58680
atctaccatt	tattgagtac	ctactatctg	ctaaaataac	aaatttataa	tgaagggtga	58740
actattccca	ttttacagat	gaaaaaaatg	gaggagggtta	agtaaccagc	actaagtcaa	58800
aatggctagc	aaagatcaaa	accaacatgt	tagccaatgt	taggcagttc	aagtcctttc	58860
ctctgtgcct	gaaatgaaa	aaattttcca	ggaattttgc	attgggtatt	catatcaagt	58920
ataaaaaatg	ttattcattt	caatgaacca	aaattaagtc	aagacactta	aggactgtct	58980
agaggaaaat	gaccaggata	ggaaagagtc	tggagccat	gcaagaaaag	acacagatgg	59040
taaatattta	acatgaaaaa	tagaagattt	gtgtgggata	taggagatac	cttcaataaa	59100
tgaagacctg	tgtgtcaactg	gggcaaatat	tttaacccca	aataagttct	tcaacaataa	59160
cagtttcatt	acaaataagg	gaagagaaa	tgcccaaat	gagcattctc	agtcactaga	59220
tgagaaatca	gaaagccacc	tgccaggggt	gttattgagt	gaaattctga	ctttgaaaac	59280
atttggccta	tacgagggat	tcttaatctg	atatccatgg	aagaacttta	ggtaaagtct	59340
ttgaatccct	ggaaattata	tgaaaaattg	tatatgtgtt	ttttttctt	gggaaatggg	59400
ggatatattt	cttcaaatcc	tcaaagcaat	tctacaatat	tgggtggggca	gtgaaaggaa	59460
atcacttcca	attctacaat	tctgttttgt	aaaagtagtc	ttacccttca	cagagggtga	59520
cccaagagaa	ctgtgtgatt	gatttaatat	taggggtgaa	tgaacataaa	caattgaaga	59580
aaacttcaag	gttttttagcc	ttgtaactaa	gatgttcata	caatttttaa	aaatctttaa	59640
taaaagagaa	gcaaatttag	tggagataaa	ttaagtagaa	ataaataggc	aaactgaagc	59700
ctgtctaaga	ttccagttac	gagagtactg	agtacgtaat	tcaaataattc	ttttacatca	59760
tggcagaaaa	atgctgaaat	ctaggggat	atgctgacta	gtaactgagt	cttatataaa	59820
taattttttt	aaagccactt	gaactttaga	accataaaat	gttataacac	taactgttct	59880
agagactact	tacttcagtc	tcctaattgt	acaactgaag	aaatcatgtc	tcagaaaaac	59940
taagagacat	attctggatt	ctggggcctg	gttcctgatt	cacgtctctg	tctgcaaatt	60000
taaggaaaaa	aaattctaaa	acattcaaat	ctggaataaa	cctatgcatt	tttcaagaag	60060
aaaatatata	tataaaaact	agtcttaact	acataataaa	cacaaagggtc	cactttgtta	60120
tgggtataagg	caagaccgta	aggagggtctt	atgcctcctt	atgaggcata	agattgcccc	60180
ttacgagttt	taaagttatga	attccacacg	tcagcatgct	ctgggatgtt	ttcacagtat	60240
ttttaacatt	ggctctcata	gtcttaattt	acctctggaa	atttccatgg	atgattaaac	60300
tatgaagaac	aaagaagcac	atggctgtgt	tatttagagt	ttagtgaatt	aggctctgca	60360
gtctgttggg	ttccttttag	atgttgtctt	gtccgtttct	aagatcagag	ggagaccagc	60420
tccaggagtg	ctcatgaatg	catcagtggt	cttccatacc	atctgatgaa	aagattcatt	60480
ctgtgtctca	aaaggatatt	ccagatccag	ttctgagtca	gcaggctctt	gggttatata	60540
tatatatata	tatatatata	taaaattttc	cactgcittta	tttttttaaa	ttcatctgac	60600
aaggtcaagg	tgggatttag	acaagaaaaa	tttggaaacta	gtcccatttg	agacttattt	60660
ccttaaaaaa	ggaactgttt	tttaataatc	tgaaaagtta	cataattttg	acatgcaagt	60720
tataacgtg	tgtgtgtacg	tttgcatgct	tgtgtgtatg	ttcatttttt	ttaaagagac	60780
tcaaaactaaa	taaaaatttg	attgggggtg	ttgctgaaaag	gactatagtg	tcagctgtta	60840
taacttcagc	tttaaacact	aaaccaaaaac	atgggctaca	tgttccaatt	catactgaag	60900
ctttataata	tatggcctta	gagtagaagt	ataatgatct	cttgggagag	gcaagatcca	60960
attaaaaattc	agtttgcctg	cttttggaaa	gacataagca	gttatatatc	ctttgagacg	61020
gtcttaagaa	atacacacct	gagcttttaa	tggccactca	tttgactgtg	aagttgaatt	61080
tcaattcatc	tgggagtcag	agcacaaagaa	agaattcaaa	taacaacact	ctgatatttc	61140
ctgggtgtgt	accagggaga	aaagagctcc	tggaaaaatga	acgccttaca	catttgcaga	61200
tattaccaac	cacttataaa	aacaaggcta	ttgttatgca	taaaagtcatt	tccttttagg	61260
ggaagcctaa	gagtgaattg	aaatgtggct	gacatttcta	ccacaagata	aaatgttttt	61320
ttaatatcat	gtttaagttc	tcttagttaa	aaaagagaaa	agggaaaaaaa	agaagaagaa	61380
agaaaaatat	ctataatcca	gtattcagaa	gcaattccag	acacttcacc	catgaaataa	61440
ctcactggaa	gacattacat	ttctaaacac	aaaagctatt	agcagccttt	tctaattctc	61500
ttttagttca	ataaggggaat	tattgaccgt	attttgcaat	cccacatggt	tttaaaagac	61560
aaaaaacata	gtacattgaa	cagaaaaacat	acgaatgctt	tctatttaat	ttattagttc	61620
atgactaaga	tgaaacactc	caacatatac	aataaacctcc	ccacccccac	ttcactctga	61680
ggttcttttg	gttacttctt	ttttacaaca	aaggtttgat	gtattcttta	aaatataaaa	61740
agaaaaagcc	actatattgc	ctcagaacta	ctccatctca	ctgcctcact	ttaaattctg	61800
attgactgta	atgagaccac	agacagattg	atgaaataaa	tttagatact	aaatagcatt	61860
gtacttgggg	tgatttagtt	atatagctca	ttattttctt	caacaaaattt	gttgaacagc	61920
agtattagtt	aaggcaatgc	aagctgatgt	cataaaataaa	cccccaaatc	acaatggcct	61980
aaaaccttaa	aggtgcaatt	tttattcatg	gaagcagggc	aatgtaagta	actacaggat	62040
tcaggcagcc	agaattcttt	catcctgtgt	ttccatcatc	ttctagagct	tcaaagtcct	62100

## 34546 - SEQLIST.TXT

ctgcatttat	ccaagataag	agaaaagaaa	tttgagaagg	tgtacctgtt	tttagccatc	62160
ttctgctcac	ttgctcttgg	aattaacaaa	tcacacaacc	atacctaagt	gcaaagtggg	62220
tgagaaatgt	atttcctgat	gggacaacca	ccttccagtg	ataacttcac	actctgaaag	62280
ggctcagctg	caacacctgt	aataatactg	tgctggacat	tgtggaat	tctaaaagaa	62340
acaaaaactgg	gaccttgtct	tccacgagca	tgcacgttag	caattttttg	caaggaat	62400
attcccttac	caataataat	agttaatata	tatataaagt	ttgttatgta	tcaggctcat	62460
tattggacca	gaggctgtgt	gggtgggtatt	tcaggactca	aaccctggta	tctgctgtgt	62520
ccaaattcat	gctcttgcc	cctgccctcc	gtagacttct	aatcacttaa	ggcaagagac	62580
tcaagtctag	ttctcttaga	agttcctacc	acagggcaga	gccccacca	gacagtgaag	62640
gaatgtggat	tatactaaac	aaaaccctag	gatcgattgt	ataggttaact	ggtggcaata	62700
aattagagct	caattccaac	tcataaaaag	ctgtactcca	aaatacaatt	caccataaat	62760
gaaagctttt	taaagatatg	agttgcctat	actataaata	ttgatttttt	ttcatctgag	62820
tcaattgaga	tgcaaatgct	aatttgagta	gatgagcata	tgagcattag	tggaaaaaact	62880
cacctaataaa	ggtacaagag	agagcaagat	gccaagata	gattaacaca	acactttaac	62940
cagaatgttc	tatcattttc	tttctgcaca	tacaccttct	aacttgcaaa	tctgtcttgc	63000
ttcacatgat	ctcttcccat	ctaatttgat	gggtttttct	ctgaaagaaa	tgaagggagg	63060
attcctccag	ttcttgtttt	ctatggtaat	tatcctaagt	tttaggggaa	gaatttttaa	63120
agaggaattc	taggcacttc	tcaacttgga	gcagaataga	gatgtattcc	agtaaggaat	63180
atagttcatg	ggcataagtg	acttgaatat	gaggtagaat	tggggggtaa	taacctatga	63240
aatgtataga	tgatattcta	tcagacaaga	gatattacct	atagttttac	aaaagaaata	63300
aacttttagc	taggcctttt	agaaacatgt	aaaatttaact	gagtttacca	agtatagaaa	63360
aaatagggaaa	ttgtcattta	gaagggcatg	atctattcag	ctagccaacc	aagaaatatg	63420
tcgagtgtct	cgatgcaagg	tagggatga	agagcagtg	ggagaagggg	gcagtgaata	63480
gtgcaagaca	acacctattc	ccatataggt	cagcagctaa	gagcaacaac	aaaagagAAC	63540
aatgggcatg	tacagtgcac	ccacctgtac	caggtaacat	gccagggtga	ttattcaaat	63600
tatctcattt	ggcactaatg	catgtaaagt	acatagcaag	gtgcctgtca	cagaaagaat	63660
gtacaataag	tgatagctgt	gatttaaatg	ccagttttat	gtggagggtta	ttatctgttt	63720
tcaaatttaaa	gaaagtggag	catgggtgag	ctatgtgatg	ctataaactg	aatgttttta	63780
tccccacaaa	atttatatgt	tggaaacctaa	tcacgaaagt	aatcgtgagg	ccccgtaaag	63840
gtagggctct	tgggggttga	ttagggtcatg	aaaactccac	cttcatgaat	gctgtttata	63900
taataataat	tagtactctt	ataagagagg	actgggggag	ctcatttgtc	ccttctacta	63960
tgtgaggatg	tagcaacaaa	gtaccatctt	tgaagcagag	agtgaactct	catcagacat	64020
tgaatctgtc	agtacattga	tcttggactt	cccagcctcc	aggaccgtaa	gcaataaatt	64080
tctgttgttt	ataaattatc	ccatctgagg	tattttctta	cagtaggcta	agatagatga	64140
tatatccaaa	gccccttagc	tggagaaacc	agacatacac	gcatggaaag	ttcaataaca	64200
atgagattct	ttgtgaaagt	tgctctcctg	gcagttctat	tttactagta	gaatattcat	64260
cttagttcat	gggttgttat	tcctcaatct	ggctgctgag	tgcccttttg	gtgtttatga	64320
ttttaactgc	ctgcccctgg	ttctagtgtc	ctgggttagg	caatgagggt	attttgtgca	64380
aattgtgtcc	tgagtgccta	tgctgcagct	ccccatgagt	cttccattct	aattctaata	64440
aacttccagc	tatctatctt	aagcagagta	ccttttagga	cagggtgata	gggggagcct	64500
agaggtcaca	tgcgaggcct	cccatctgtg	gaggtttagt	tggagagagc	tgacaatgag	64560
atgattcctg	tgacagagta	gtcatgaacc	tggggcagga	atgagagcac	catgctatct	64620
ccaggggccc	agagagtgtg	gccctgagag	acagatcagt	gaaatctcta	aagagcaatg	64680
cgccagattg	atgagattat	cttgggggta	cttgctagtc	tctttggctt	cggaggggag	64740
tggaggaggg	ggaacagata	ggctcagatc	ctctctgccc	ttgaggctgg	tcaaacatat	64800
tgcaggtttg	tagagaagtg	tcttctcctt	gtacttgtac	agatgatttg	ctaaccggac	64860
ctgaaactgt	cctatctccc	tccattccag	tgactcaagt	gtcctcagag	ctaattccagg	64920
taactagagc	caggggcagg	cagttaaaat	cataaacacc	caaagggaac	ccagcagcca	64980
gattgaggaa	taacaacaac	ccatgcccc	agatgaacat	tctactagta	aaatagaact	65040
tccagaagaa	acagatgaca	actttaacaa	agaaatcaaaa	gtatacttac	aaaaattgaa	65100
aaatagcatt	aaaataactt	tccagcattc	aaaaacatgg	cttttcaatt	aaaaacatca	65160
attcagttaa	ggaaaggatg	gcctaggatg	agacagactc	acttgcaata	taagacatta	65220
tagggtaaat	accaaagtga	tcgttttgat	tctcaggtgg	aattgaccat	tagactcacc	65280
tgtaaaaaac	acagacttca	acttaccag	ccctaataaa	tcagggaactc	tggaagccga	65340
gccaatgaaa	gtgcattttg	gttggaagtg	gccactgggt	ttgggcactg	gttatggggg	65400
ctgtggaac	tggcagtaca	tggtgaatga	gttatcaggg	tgagagatca	ctgggtctgc	65460
agggatgggt	gtaaggaccg	cgggagagag	atgagaactg	aaatgagcat	gagagggtgg	65520
tagagtttat	tgatagtga	ctaaaaatat	gaaacaagga	ttgatgaatg	ttttgtctgc	65580
atgatcccaa	gttttcacca	gatttagaca	caaataactg	tcacacccgt	agatcaaata	65640
gcaagtctaa	aatttttttaa	agtttagctt	taaataatat	aatacacatc	agataaataa	65700
gaagttgaag	tatcgcgatt	ttgcaaatgt	ttaggaagct	tgtgttcac	cggttcacat	65760
ttccttcact	ctatgtgtgc	atgtttgaaa	ctgaaatata	caagttaa	ctttagtctt	65820
acttttttaa	ccactgacaa	tgatgatggt	ccatttatct	ccaatgttc	catttcaaga	65880

## 34546 - SEQLIST.TXT

cagatggatc	agtttgtcaa	ggtctgagta	ggaataaatg	gagtgctcca	aaggcaaatc	65940
tgtagtgggt	tgttcaattt	gataaaatca	cgcttgcata	ttttttcct	aaatttcctg	66000
aaccactcca	ctaagggaga	caacctagta	cttcttggtt	tttttctctt	caaatggctg	66060
cttctgagtc	acagatgtga	aataacagga	atcaaaggat	tcatggatca	agaaaaatga	66120
ctcctgatca	tttccagtag	gttatttctt	tggagctggt	ctgctctgcc	cccaggagggt	66180
gtaatggatt	tgaactaaat	gtaatcaaaa	attttcacct	gcatccttat	ttcctgaaag	66240
tagctcagtc	ccatgaagct	gaactttctg	cagctgtgag	acccacggca	tggctgcttc	66300
cttaggggaa	ataaactcga	tgtttctctg	agtcagaacc	acagaacaac	agtctcatga	66360
aatgctctat	gccaaacaaa	aagcactctg	cactcagatt	tgggatgaga	ttcacatgcc	66420
atcagctctc	agagggtgat	agagcacatc	caagcttctg	gagccccctg	agcagagaaa	66480
tcattttatt	cataactctc	tgtacttag	tcacttgat	tcatttttga	gtgctgcctt	66540
aacaaagtaa	caactgggta	gtttagacaa	cagaaatgta	ttgtctcaca	gttccagagg	66600
ctagaagtgc	aaagtcaaa	tgttggcagc	tctgtcccaa	gcttccctcc	ttggcttgta	66660
gatggctgat	ttcatgttca	cagggcattc	tccccatata	ggtgtctatc	tccaaattcc	66720
atctgtttgc	aaagacacca	gtcatagtgg	ctcatagctc	atctaacgac	ttcattttaa	66780
cttgattacc	tctgtaaaga	ccctatctcc	acataagggtc	acattctgag	gtactgagggt	66840
ttagaactta	catctgaatt	tgaggaggga	gatgtaattc	aactgattat	accactgaat	66900
ccttttttct	ccatgtcatc	tattaacagc	ctgaagaaca	cgtttagagg	gatgttactg	66960
tggcttcaca	gataccatgc	tcttcctcaa	tggttcccaa	atgccatttg	cagaatatat	67020
gcagaatcac	tgggagtgtc	ttttagaatt	ctaaatctgc	caggcatggt	ggctaacacc	67080
tgaatcccca	gtactttggg	agaccaatgc	agctgagatc	cttgagccca	ggagttcgag	67140
accagcctgg	gcaacatggg	gaaaccccat	ccctactaaa	aatacaaaaa	attagctggg	67200
tgttggtgga	tgcacctgta	gtcccagcta	cttgagaagg	ttaggctgca	atgagccatg	67260
agcccatgat	cctccactgc	actccagcct	gggcaagaag	agtgaacct	gtcaaaaaaa	67320
aaaaagaaga	attatagatt	cctgggtctc	acctccacaa	attaaaatcc	actggatcta	67380
aggaggaact	caggaatttg	caattttaca	agttgccag	aacattctga	tgcatcacca	67440
ggttgaggtt	ccacagccag	ttagtgtctc	cttattattt	tttagacttg	atttgggcca	67500
taaatcttat	aatagctacc	taagaagtac	acttcttctt	taaacaatat	gaacatagaa	67560
ttgttttctc	atctctgttt	ttattacatc	ttctatcttc	ctccactgca	gtacaaacca	67620
cttgatgtgc	atagattctg	ccttactcat	ctttttattc	tcagtgtgta	ccagagaatc	67680
cacacataaa	taacattcaa	taagcgttta	ttgaagaaat	aaatacctcc	agcaacacag	67740
gcaaactgta	caattgtttc	atcattttaa	gaagttcctg	gccgggcgca	gtggctcatg	67800
cctgtatccc	agcactttag	gagggcaaga	cagggtggatc	tcttaagctc	aggagttcga	67860
gaccagcctg	gccaacatgg	tgaaacctca	tctctattaa	aaatacaaaa	aaaaaggtag	67920
ctgggcatgg	tgggtgtcac	ctgtgtgtcc	agctactcag	gtgattgagg	caggagaatt	67980
acttgaacct	gggaggcaga	ggttgacag	agctgagatc	acgtcactgc	actccagcct	68040
gggcaacaga	gtgagactcc	atctaaaaaa	aaaaaaaaga	aaaagaaaaa	aagaaaaaga	68100
aaaaagaaga	aaaatgttat	tgacattgac	atatctttat	acttgagaga	attcagctac	68160
tcttaagagt	ttaacccgtg	cagccatgcc	cgctgtcctg	actcattttt	actcctgcca	68220
tgatagctta	cctgtgggtt	caggacacat	ctttcttttt	ccagcctcaa	ggatcttttg	68280
cacatgctat	tttggaactc	ttctgcctac	cctctttctc	caccccatcc	ccagttgcca	68340
cgactatttc	caaatgaata	tttgttctgc	ccttcaaatt	agaagtgggtg	cccctgttaa	68400
acgttttcat	aatgcttcat	tttttttccc	atggagacac	tgatcatgct	tgtaatgaat	68460
agttcaattg	ttgtctctct	tgacaaactc	taactcatat	gtaggcaggc	ttcatgtctg	68520
ttgtgttcat	ttttgaagcc	acagaaaact	gaacagagta	ggaactcaaa	tattaattga	68580
gtcgttatgc	gctttaccat	gattatgtgt	tttttcccac	cattaaactg	ggagcttctc	68640
tacagcaggg	actagattta	atttattttt	ctatttttgg	cacctggcac	agtgcctgga	68700
aggcagaaca	agcacaataa	attttcttaa	aatttgtaag	gtttttgttt	atttgaatgg	68760
ttgttttagtt	tttgccctga	tgaaagcctg	ggatagaaat	ttagaacaag	gttggatgtt	68820
ggtgatcata	taaaaaataga	tttgttcttt	tttgtcatta	gagcccaaac	ttaaaaaata	68880
tgtcaaatata	aaaaataaac	tagaataaca	gggaacattt	aatggaaacca	aggcacctca	68940
aacagctgac	atacttctaa	aaagcagaaa	gtaatagtaa	gggagataat	agcatacgag	69000
ttagttttcc	aattgccaaa	agatcacttc	aaatacagct	cttggcagtc	atcttcttat	69060
ggagaaactg	caacacttat	ggaatggcaa	ttccaccaat	cccctttttc	taacagcaga	69120
aaaacctgaa	ggagacaagc	ccagctatag	tccagctggg	acctgtgggc	ataacctgac	69180
ctaaagttac	ataagtgatc	aggaccgtat	gtggtccgta	cccctctgcc	tgaggatgct	69240
acgcagctgt	ttaactctct	caaacatttt	gtctttttac	tgacaaccca	ctgcagtcaa	69300
gttgtctatt	cccataatat	ggaatatttg	gtctatagta	atttcctatt	cctatttcta	69360
ggcaatcatg	taagataagg	ggaatgggca	cctatttctc	tgggggaagg	ataaatgtgt	69420
cttttatctc	tttccagtat	ccccactgtg	tagagctggt	ccacaatgga	gaggaggaaa	69480
agttttgcat	tggaccaaat	cactgcctta	gaaggaaaaga	gattgcaatc	ccattcattt	69540
ttaatgctctg	caatgggttg	ggatgatacc	catttaaaaa	agaaaaaaaa	agaggttacc	69600
tctttggcct	ctttggcaaa	ggatatgaac	tagtaataaa	gcctcagcat	caaggcttgg	69660



## 34546 - SEQLIST.TXT

gagtctggct	caaagtggct	aagactagaa	gcatcttcta	acataaatat	ggcagcatta	69720
ggaaaaatagc	ttggcccttta	gagagaccca	gattatcttc	accttaaaaa	ctaccaagac	69780
ccttggtccag	caagaccacc	atcacagcag	taaatacata	gccaccaact	tcacagaagg	69840
ttttccactg	agacattgtg	aaaaccacaa	tccattaccg	gtggatgagt	cccagctctc	69900
ttactacctg	gagcttccaa	gcaagactta	cctgtccttt	gttccagatt	ggttcctggg	69960
atcctggacc	aacacaaaga	gaagaggaaa	gcctcaaggg	aaataaaaagt	gaagggttca	70020
gtgatagttt	aaatatatat	ttttaaatgt	tagctttttt	ttaaatactt	cacagtgatg	70080
gatggagtat	ttcaaccaca	atggcaaaga	atgaattacc	ggcagtgtca	gagtttcttg	70140
ttgctgtggg	aagacagctg	ccatgttgag	aggtgccttg	tggagaggct	catgtggcga	70200
ggaaactgaga	ctggcttcta	tccaacaacc	agtggaggac	taaggcccta	aagtcctata	70260
gtccacaagg	aactaaatcc	taccaacaac	tacatgagtg	agcctggaat	ctgattttcc	70320
ccagtgggga	cttaagggtac	ctacaacctg	gctgttatgg	gctaaactgc	atcctgcccc	70380
aatttataatg	tttgagtctt	aactcccagc	acttcagaac	atggttttgt	ttggagacat	70440
agtcattaaa	gaggtaatga	agttaaaatg	aggtcattag	gatgagtcct	aatccaatag	70500
gactgggtgt	cttatatgaa	gaggaaatgt	gaacacagac	acataatacag	gaaagaccat	70560
gcgaagaaga	cacagagagg	aaacggccat	ctacaatcca	aggagagagg	cctcagaaca	70620
agccaaccct	gcagatacct	tgatctaggc	atccagaatt	gtatgaaaat	acatttttgt	70680
tattttaagct	acccagtctg	tgggtgcttg	ttatggcaat	cccagaaaac	taattaacta	70740
attgactgca	gccttgcaag	ggaccctgaa	ccagaggacc	cagttaagcc	atgtgcagat	70800
tcctgactca	cagaactagg	agataacaaa	tgtttgttgt	tctaagggtg	taaaatgttg	70860
gaaaatatgt	tatgtggcta	tggtgttttg	cacatgtgcc	acataatgat	gttttgggtc	70920
acaacagacc	acacatatga	tgggtggccc	ataagattgt	aatactgtgt	ttctattatg	70980
cattctctat	ttatagatac	acaaatactt	gccactgtgt	tacaattgcc	tactgtcttc	71040
agtactgtaa	catgctgtac	aggtttgtag	cccagaagca	atagactata	ccatacagtc	71100
tgggtgtgta	gtaggctata	ccatctatgt	ttgtgaagta	cactctatga	tgttcacata	71160
attatgaagt	tgccatagta	tgcatctctc	agaatgcatg	cccagacatta	agtgcacttt	71220
ggctttatgt	ctatcatgca	tttaagatat	tgcaatatag	ttaacttatg	ttttaatata	71280
cctcttaatt	ctgttttgat	cccacaccaa	ccaagatgca	aaactaattt	tttcgcccac	71340
ttccataaaa	aacacaatta	caatgggcct	aatgtgggtt	atgtcatttt	ccctgaagat	71400
ttgtgggtgt	ataggaagca	gtcacagcac	cctgtataaa	gctcttccat	ggcctgcccc	71460
cttttcgag	tcacctctat	tatttgaagg	aatgggtccaa	ccaacctcaa	agctctggaa	71520
atttgcccc	aaataatttt	accctgaagc	cattgaagct	taagtttcag	accccagttt	71580
cacattcctg	tgagttctgc	aagtcactgg	gagctataga	gtcttctacg	tagatttggg	71640
aaacaagggtg	aaaataacctc	aagaaatctc	agaagccagg	ggcctgcatc	tccaagcctc	71700
tggcaatttt	cttgtgggtt	ctatcctcac	tctagataat	tgcttttgag	actgattttg	71760
aattcagaat	tttatattct	ctcaaaaaga	gaattctcca	aattctataa	gcttcagggt	71820
ctacaaaact	tgtctattct	gcctaactag	atttatcata	gcacgtacca	aagatggccc	71880
tgccctcatg	ggacttttca	tatcagaccc	ttagataata	atattccctc	atgtaagtaa	71940
taatattttc	gcatgtagtt	atgtatgaat	aattttcatt	catctatata	atgttggcca	72000
tagtcagtg	ccatgtccaa	tttatttttt	gtgtccttgg	tgctcagaaa	gttaccagat	72060
gttcagtcag	aattttatatt	aaaatatatt	gatgaactag	atttaaagat	agattaaatt	72120
aattcctaca	catgatttaa	tttaattggat	aaaataaggg	actgagcatt	agcctgaact	72180
gtgtacttgc	attagccctg	atgttcccca	gaggggaata	tatgtgaaga	atactgcata	72240
ggctgaaaaa	caagagttcc	cagcagacca	atatcttttc	tttctgcaag	ctgtgagaca	72300
cctgggaaaa	gttctccaca	tttgggtttt	cagctactcc	acccatgact	agaaggaaga	72360
ttttatttta	ttattttatt	ttattgtatt	ttttaacagt	aaaagaaaaa	ttattgttat	72420
tttaatgaaa	aagaaccacc	tggaaagtct	agtgcatttt	ttgaaggcag	ggaccacttt	72480
ttccagggat	ttgtttccct	atgctagtgc	tccattcacc	cttgaccac	ttcagcaaa	72540
cacatagtag	gtgtagcagg	gagatgttaa	gatggaaact	tggccctgac	cataggccaa	72600
gccagggtgt	ctagtcggga	tttatccata	aacatcaata	tttatcacta	gatgatatat	72660
tgattttcta	tctgcctcct	atacctattg	atctattttt	cacagcttat	agtggggagg	72720
gtcatgttca	gttatttatcc	ttaaaccaa	acaatctctt	cttgaaaaat	aggatgctat	72780
gctctgatgt	ttgcagaggc	caggaaattc	ttgctctgag	agttccagaa	aaaaagattt	72840
gtccagattt	gaactaattt	cagaaaaaca	aaacaaaaac	aaaaaacat	ccaagggtta	72900
gaggtgactt	ctgactcaca	gaatgaacaa	gaaggcaggg	gaaaaaataa	gtcccccag	72960
attcaggtca	aaggaaaatga	acagaaggat	gatggagtgg	cccagaggag	gatcacgtga	73020
cagaaaagtc	aagataaatt	agtggcagga	cagaggaaaa	gaactaaaga	cctgcaggat	73080
cctgaaagaa	agaatgaaag	gaagcagatg	aagattctag	agcccagctg	aatagccagg	73140
ccgcctgagg	gtaaagaggg	agagaaagag	gaagcagtga	atcaaatcaa	aaaaggatag	73200
aaaaatacag	agaaaacaagc	cagggcacgg	tggctctcac	ctgtaatccc	agcacttttg	73260
gatgacaagg	aaggcggatc	acatgaggcc	aggaatttga	gaccacgctg	gccaacatgg	73320
caaaaccctg	tctctactag	aaaaatatgg	aggaattgtt	gagagattgt	gcactgccag	73380
gggtgaggac	ataaaattat	ttgctatgtg	aatgtttttt	gagactcatc	tagttccttt	73440



## 34546 - SEQLIST.TXT

acaatttttaa	tttagaattt	cttttagctcc	aaatcaggat	cattagctgg	gagttcttat	73500
aaatcaaaaag	caaaaacaaag	ctattgcaaa	caagtgggag	ttctcataac	cttaatcaga	73560
aaggcttgag	ttgcatcttc	aaatcctgtc	tctagagacc	atgagttttt	aatgatagta	73620
tttccatgaa	agcccaattg	aatacaatca	ccaccagac	caaagtgtag	gggaaatcat	73680
aaagctactt	tcaaatccga	gtcttctttg	aaatttaaaa	ttatatcca	tgataatggt	73740
tctcataaac	cttaatgcaa	gggaaaaaaa	aaaaactaca	gcagaataaa	gaagatttaa	73800
aaagaagcag	gataggaaaa	aagacaagcc	agaggctagc	tatatctttt	cataaagcac	73860
acctgggtctc	ataagcacat	gagagctagg	cccagaagtt	tcgagccttg	gagactcact	73920
tcaaacaat	tccagggaaa	gacactcaat	taagtgttca	ggacaattgt	atatccccag	73980
tgcatctatg	tactgggaagt	gcttaaaactc	tgccctcagt	ggtaataaaa	atggtattaa	74040
gtcacagaca	accatttgcc	attggtattg	gctgatgtct	ctggtagttt	atgtgatgac	74100
aaacattagc	cttaacagca	gagccttcct	ttctttgatt	tccgtgtgaa	attctgtggc	74160
tgggagatgt	ttatgttcac	atgaacataa	ctgtaagcaa	accatcttat	ggtagacatc	74220
tctccagaaa	aagcaaattc	catcttttta	aatagaaaaa	aaaaacagca	gcaaaatgaa	74280
attaatgcct	ttggctcatt	gtgttgtaaa	attatccttg	aagttatttc	acactgccct	74340
aaaaaatcat	tgaattcaga	ttataacaca	gctcttatga	agctgttagg	cagttgcatc	74400
tttaatgagg	ctgagtaggt	aagaggaaca	gatactctag	attgaaagcc	atcgcaaaaa	74460
atgtgaaaca	actgtattaa	atttaattta	atttaaccaa	tgggtgtatt	tattccctgc	74520
cttcttccag	aaaggattta	gggagcttag	gtaatgtgga	gggtctgaag	tgtagatact	74580
catgaaagcc	tcagattaat	atctagaaca	tataatgtgt	ccagatagtt	ttcaattatc	74640
aatgcattaa	tctaagcttg	gaaaggactt	ttaaactgca	atgaaacctc	aactagtttc	74700
aaacctgcat	tttttagtaa	gctattttgt	catttgagaga	cccacacaaa	aaacctattg	74760
ttcttttaaa	aaggagagag	agaaaaaaag	aaaaacaacc	tgctgggtgt	gctttgttca	74820
tcttatcacc	ttatcattca	gcagcctatt	caggatcaaa	tgtgggaaag	tctgtgtgtg	74880
agattaaagcc	ctatactcag	cacaggaatt	tcttgataa	atgtctttct	taaattggata	74940
gctatgtaa	aaacagaaga	gaaactctat	tattacaatg	cagttgggtt	tttttgtttg	75000
gtatgtttca	aatctaatat	ttaaaattaa	gaaaattcaa	agcaaaccat	ctgtgtggat	75060
gttttcatac	tccatttttg	tgacaatagc	ttgcttaacc	gagattatta	gtggattcct	75120
tcaataagag	gaagagagta	ccatcattaa	gatggtagtc	ctccactagc	ctttattttt	75180
gagattaaag	aatgacaaaa	atattttatat	atattttttc	attattaaga	cggagtctca	75240
ctctatcgcc	aaggctggag	tgcatgtggc	ccatcttggc	tcactgcaac	ctctgcctcc	75300
caggttcaag	caattctccc	acttcggcct	cctgagtagc	tgggatcaca	ggcaccgcgc	75360
accacacctg	gctaattttt	gtatttttag	tagagatggg	gtttcaccac	attgcccagg	75420
ctgggtctcaa	attcctgacc	tcaagtgtatc	cgctgcctc	agcatcccac	agtgtcggga	75480
ttacaggcat	gagccaccac	aactagccaa	aaaatatata	ttttctttta	aaaaaagtta	75540
ttttctgcct	aattacttca	atatttcatg	aacattgtgg	gggaaagaat	attcatacag	75600
ttctctaaat	atatcagtga	gttgaggtac	caaatacaga	attctattga	attctaattg	75660
caacactgaa	gcagacttac	tctaagatcc	tgctacctgg	actaaccaca	gactataccc	75720
agattccatc	tgcaagatgt	agtggagcca	aacatcacat	cactgaggaa	tatttattat	75780
atatctttct	gtagagggtga	gagagtattt	atagatatata	caaacaattg	gtcagatact	75840
actggagatt	tggagacttc	actaggtttt	tactaaatt	tgttgatagc	caactctaaa	75900
gctatttcta	ctactactag	ccatcttccc	ttggacaatt	tcatgggcat	cgcttccactg	75960
aaaagaaaaa	tgagtaagta	taatctcact	agtacatgaa	taactattat	aaacacaata	76020
ctttctacaa	ggtttattac	taatctatgt	catttaagtt	ctagatttta	cagtattttg	76080
gagtgtatga	taaatagcat	gctgttcttc	tatgtatagc	aaacaagact	cagctttgga	76140
gacaagaaga	aggaatacag	gagatgtttc	cttgaatgag	tcttcttcct	aaactctgct	76200
agaagtatgt	cagaaagcga	aggttacctc	agtctccaag	tcatgaaaac	atgaggctct	76260
tctgttttct	agggaaaagta	tttcatcatt	tcctagtgtg	gctttttgca	cacccagaaa	76320
ggaggaagac	aagccatcgt	gtcaccttta	catggtagtt	gagatgcttc	acattttgtac	76380
ataacatctt	atatgatcga	aagaggaact	caaactcgac	aggggagaat	aaggaaatac	76440
atctaaaaact	gacaattatg	ttaatccctc	aattccctgg	gccccaaaaa	tagtctcctc	76500
tatttgccat	ttcaaaaatag	ctaattgagag	ggtaattgga	catgtagaca	ctgaattttcc	76560
actgctcatg	gtttccttcc	ctgggctccc	agtcacccgg	aaggccccgg	attacctcaa	76620
atgtcataaac	gggttcacatg	cattacgaat	tacctcttct	tgccaataaaa	ctacaagttc	76680
tttgaggaca	gaaactgtga	tttatggggc	tttgatatccc	cagagattca	aagagtgcct	76740
gatacagagt	ggtgatagat	gattttatca	tcttatcatc	atcatcctca	tcatcgttgt	76800
acctaaatag	aggttacttc	ctgtttcttt	tatttaacaa	taacctatta	taatataatac	76860
tatgcatttt	taatgcactt	tacaaatatt	gtcctcattt	aatccctgta	aggtgaatac	76920
tattattggc	tccattttgc	agataagaca	ctgagtcgtg	aaaaggctaa	gtacctcaca	76980
caagatcaca	cagccagtgga	cagaactagg	atttggtctg	actcttaaaag	actctgggtt	77040
gccatttaaa	ggtacgctga	gctccacaac	actgccttag	aacttgctca	gagcaattgt	77100
catattacta	tggtaggttt	ccctgtctcc	cttaagactt	aaagcttctg	gagatcagaa	77160
actgtattgt	ttacttgcaa	aatcatgggc	ttaggagcca	gaaagatctc	gatctaagtc	77220

## 34546 - SEQLIST.TXT

```

ctgcctcatc tgcttcttct tcatgggatt agtagactga ttttcccctt gcttagccat 77280
gcagtttgaa tgggaattcac cccattctca gctacaacca cggatcttgt ttgctttaaa 77340
ccaatcatca ctgcccgaatt ttctggccctt tgattgattt aaaggtgaac acatgaccgc 77400
tttggacca a tgaggctcag gtgggtattt gtgagggctt ctggaataga aaatcatttc 77460
tcttctgaca gaactacaag gcaaggcgca atcactgatg gtgaaagata aagatcatta 77520
tattaggaac tggttgctgt catactgcta atgtgagggt agttagcctt agaaagagga 77580
tgctaccttg aaaggcaggg cagatctatg gaaataaact gagtttgttg tgacattgat 77640
agccacttta gtatcatcagc tgaatcccaa tctacttggt tttttcagct ctgtaagcca 77700
acaaataccc tgctagtgtt tttagcctatg ccagttgttt tttctgctgc ttgttaataa 77760
gacacataca gtcttggaca aattatataa aaatatgaat ctttggccag gcatggaggc 77820
tcacgcctgt aatcccaaca ctttgggagg ccgaagcggg cggatcacag ggtcaggagt 77880
tcgagaccag cctggccaat atggtgaaac cccgtctcta ctaaaaatac aaaaattagc 77940
tggatgtggt ggcacatgcc tgttgtccca gctactcagg aggtcgaggc agaagaatcg 78000
cttgaaccgg ggaggcagag gttgcagtga gctgagatca tgccactgaa ctccagcctg 78060
ggagacagaa tgacactcgg tctcaaaaaa aaaaaataa tctgaatctt tgaatgttat 78120
cgtatagctt tttaaaagac tagattaagc tatggatgta agcaccaatg cattttttta 78180
aaagtatat ggatgaatga gttaaagtct aagtgaattc agcaagtttg taacccttga 78240
gctcttgtag gctcaatctg cctcaatca tctgagaatg aacaaaacag actcaaccat 78300
tttgtgtcat ccagatgaat agaaagggcc tgaatatatt ctttttttat attttttgtc 78360
ataggcccta gcgttttcat ctgctcagtt tttgagtgtg cttgttaggg ctttaagtgt 78420
aaactcaatg taagctgggt ttatgtaatt tagtggtttc tagacttagg cttcctaaat 78480
gttccattag acaagaagac aaaatatgaa acaaaaatac atcaaaactac cattaacaat 78540
tagcattgtc agagtcagta aaaactgttt tgaaataaag cagcttttca ggccagtatt 78600
tgagaactaa tgatagagtt tttttgtagg caatgaatga agtgttgttg aacaaatgtg 78660
gatttggact ttcaagacca acttgaacca gagtcttgaa tctgcaactt tactagctgt 78720
ggcttctttt taattgatta actttctttt tctgtaaaat ggggaataatg attcctacct 78780
cttacaagcg ttgtggtagg aggtattcca atagagataa atatgtgaaa tcactaaaaa 78840
ttccagaata catggaaata atatatgtct gtattggcaa attatgagtg tagtaatgag 78900
ggatttacat ggacacattt acattcttta gttcagactc ctttgacga cacataacaa 78960
acacacacaa gaatatattgc cctgtgtcca gcaactcttt gagaatttct ctcttctcct 79020
ccttctgata tcccaaccaa ccaaccagta ggaatgtgcc ctagaacta tgttttacag 79080
ctcagtcac atcttttcac cttacaaatt acttattgtt agtttcttgg gaaagtaaaa 79140
ttgagatatt aagattctat gaaattgggt ggtggatatt aagactgtgc tgctgctgct 79200
gctactgtc cagaactcta gtggagatat tacaaatggg agcagaaaaa gtgagaagg 79260
ggtctgtaga gacagagcac agcacagagg tagaaagggt gagataaaga aacaatgcag 79320
tgagagaagg agagaacaca gacatagaaa cagagacata aaggcaccag acacgagagc 79380
agagataatt taataaggcc gtagtttctc ttggatttcc agttccttct tttagtcaat 79440
tctgatatatt agcacactgc actgcaccag atatcttgtc gccttcaa ataaagtattt 79500
tccccttaa acatgctaatt ttgggcttgt attatttgca atcaatagaa ttgagaaaaa 79560
cactctatgt catatctgaa ctagtataat agaatgggtt tctgccattg gtaacagaga 79620
cccagctcaa tggcttaaac acacaagggt ttatcctgtc acattaacaa aaaaaaaagt 79680
gcagagttagc agtccggggg ttggaataggg tccacaaagt catctggggc caggcttcat 79740
ctatctttct cttacatcac aagtgacttc tgtctacaag gcccctcatg gtccacaatt 79800
gattgttttt acaacagctt tccaaagagc agaaagaaaa acaagtagaa gagcttgtac 79860
tttcttttct atttatgtca cctctgttta catctcacta gccagatata gacatatggc 79920
cccattctacc tgcacagaaa tctcagaaat gtaatttttc agcttggcca ttgcccaggg 79980
ttctgttact agggaagaag 80000

```

<210> 6  
 <211> 2260  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> Corresponds to a cDNA detected by cDNA cloning. It includes two exons. It is transcribed from the +strand of Seq\_ID\_06.doc.

<400> 6

34546 - SEQLIST.TXT

```

atttgaattg gtgaacttag taaagcagac ggctctcacc aataagggca ggcacatcc 60
aatctgtcga aagcttgaat aaaacaaaaa gaggaagggg aaatttgctt cttttcttct 120
tgatctagta tatcatcttc tcctgcccctt ggatgtgagt gggccttcag acttaaacca 180
ggagttacac ctttggcttc cctggttctc agttcttttg acttggaactg aattacactg 240
ccagggtttcc tgggttctcca gcttgcagat ggcagatcat gggacttctt ggcctccata 300
attgttttca tatctccagg cctttcattg ggtcagggtt gcatctcgct gccctttatg 360
tgtgtgacaa gtgaaaataa ggaaagaaaa aaactcaagt gaagaaaatc agaactctgcg 420
cagcagttcc tgggcggttc agctgcttcc cacatcacct gcctcatcaa gccccagcat 480
ccatctcctt gctcatctta caccctgtgt gcatgacagg ccaccattc atttatcaga 540
gcaaaggctc tcccactatt ctggttcacc cccctactta gccagatata caagaatata 600
tgcacggatg acctgcctca cctgggagct cagaggagct cagattccat tactatcgca 660
ccaaggacag atctcccagc aagaatgaca gaaaagacta actgccccca aaatctccct 720
tccaaaacac agttctctta attctcccaa gaaaccagaa tgtgactgct cacctctcta 780
aggacctgaa aacaactggc catttcagct atttaaatac actttaaaaa atccaaccgc 840
caaaatatta aaccattttg gttggaatga taacataact aacctgctga cagctgcttc 900
tgctaggctg aaaaatggaa aaaaaatac ttctaatacag gtcaaatcac tctacctttg 960
ggattctaaa tttactcata ttctcaaaga aatatattca gtcatagtgg ggaaaatagg 1020
attattcctt tagctcgata agcaaccaga agttcttctt tcaaactctg acatttaata 1080
aatcagaaat tgatttttgg aaaactgttt cctatgaagc tatctctgcc tgaaggattt 1140
ttcttttaca atccagacta tagaaggaaa ttcacaacct ggactttcac ctccattggt 1200
cagagtttta ctgaccaatt cccacctctg ccttacacct aacggaagtt tatgcctgtt 1260
ttctcttcac atacccaac agttacaaat ggttggtatt attaaagcat ttttattttg 1320
tggcctctga ttacatggtc ccctaaattt tgacctaatc acaaagattt ggtaaaattt 1380
cttaacatat taataatatt ttgtttatgt gtcaatatct tagcatgtat caattaagac 1440
agaggcttta acgttctctt ttgtgaaagag aatatttagga ttcagagata ttaagagatt 1500
ctcccaggat cacagttagg taacagagct ggatttttagt ccaggctctgt ctacagctct 1560
aacgtatata caccctttgt ataacatgac acgaattcag cataaaggga tcttcagtga 1620
tctaagtcag gggtcagcaa ctttttctaa aaaggaccaa atagtaatat ttcaggcttt 1680
gtggacccta tggctcttat cataactgtt caaatcacca tgtagtgtaa aaggagccat 1740
aagcaaaata taaactaacg aatgtggctg ttttatggga ttttttttta actctttatt 1800
tacaaaagca ggtggcagat cagaactcac ttatgggcca tagttctctg acccctgacc 1860
tgagaaaatc ttatatttat ggacaacatt tagactgtga ctgccaagt aagaacaaga 1920
agctctgtca actgaaggct aaggctggag ttctgaaagc aaagagctgt ctgggtgtta 1980
tgataagtga aatagttaaa gttagaagat cccagttata agaagcaca agaataatga 2040
ccatagactc ctgaacaaga atgtctggac ttctggctta ggcactcttg ttgtatggct 2100
caggccaagt tacctaatac ctccaggcct ccatcttctt atcattaaat gaagataata 2160
aaagtatttt cctcagagag ctgtaagaat aaactgagct aacctatgct aagcacatag 2220
aatagggcc agcctatatt aatttatcaa taaatgccag 2260

```

<210> 7  
 <211> 2817  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> Corresponds to a cDNA detected by cDNA cloning. It includes three exons, the first and third are identical to the two exons in Seq\_ID\_06.doc. It is transcribed from the +strand of Seq\_ID\_06.doc

```

<400> 7
atttgaattg gtgaacttag taaagcagac ggctctcacc aataagggca ggcacatcc 60
aatctgtcga aagcttgaat aaaacaaaaa gaggaagggg aaatttgctt cttttcttct 120
tgatctagta tatcatcttc tcctgcccctt ggatgtgagt gggccttcag acttaaacca 180
ggagttacac ctttggcttc cctggttctc agttcttttg acttggaactg aattacactg 240
ccagggtttcc tgggttctcca gcttgcagat ggcagatcat gggacttctt ggcctccata 300
attgtgggca aaaaggaaag agacaaaaca gcatgaaatg atgagaccaa gtgatgaaaa 360
ttcattcaca atgattgctt tcaagagtaa tttctcttgg gtaattcagc agcctgttac 420
tatggctctc tggagtata gctaatagta atgaagcctc taaaagtggg ttatcctgac 480
aagaatatac tcagccaata atgcaacaga aatccattca aagcattcgg gaaaaattca 540
aaagaataaa tattcttttt ttttttttaa agttaatgac ctacgatcca tttcttccct 600

```

## 34546 - SEQLIST.TXT

```

gactaacaag cagcaagcac ttaaaaaatat ccagccagga tgaaatagaa acccacctga 660
cttgtaataa tttttgtttg gtcccagggg ctcagattct aagccaaatt ctttgaatga 720
tcttggaaca ttcttcgaat tatttttgcc aacttttctt tatcttgga aaaaagtttc 780
atgaatgggt gtcaaaattg attagtttta aaaacctttc ttgcagatac gtatggcacc 840
ctaaaactgt attagaaaaa aatttcatat ctccaggcct ttcattgggt caggttggca 900
tttcgtgcc ctttatgtgt gtgacaagtg aaaataagga aagaaaaaaa ctcaagtga 960
gaaaatcaga atctgcgcag cagttccttg gcgtttcagc tgcttccac atcacctgcc 1020
tcatcaagcc ccagcatcca tctccttgct catcttacac cctgtgtgca tgacaggccc 1080
accattcatt tatcagagca aaggctctcc cactattctg gttcaccccc ctacttagcc 1140
agatatacaa gaatatctgc acggatgacc tgccctacct gggagctcag aggagctcag 1200
attccattac tatcgacca aggacagatc tcccagcaag aatgacagaa aagactaact 1260
gccccaaaaa tctcccttcc aaaacacagt tctcttaatt ctccaagaa accagaatgt 1320
gactgctcac ctctctaagg acctgaaaac aactggccat ttcagctatt taaatcaact 1380
ttaaaaaatc caaccgcaa aataataaac cattttggtt ggaatgataa cataactaac 1440
ctgtgcagac ctgcttctgc taggtgcaaa aatggaaaaa aaaatacttc taatcagggtc 1500
aaatcactct accttgggga ttctaaattt actcatattc tcaaagaaat atattcagtc 1560
atagtgggga aaataggatt attcctttag ctcgataagc aaccagaagt tcttccttca 1620
aatcttgaca tttaatcaat cagaaattga tttttggaaa actgtttcct atgaagctat 1680
ctctgcctga aggatttttc ttttacaatc cagactatag aaggaaattc acaacctgga 1740
ctttcacctc cattggctcag agttttactg accaattccc acctctgcct tacacctaac 1800
ggaagtttat gcctgttttc tcttcacata cccaacagt tacaaatggt tgttattatt 1860
aagcatcttt tattttgtgg cctctgatta catggtcccc taaattttga cctaatacaca 1920
aaagattggt aaaatttctt aacatattaa taatattttg tttatgtgtc aatatcttag 1980
catgtatcaa ttaagacaga ggtcttaacg ttctcttttt gaaagagaat attaggattc 2040
agagatatta agagattctc ccaggatcac agttaggtaa cagagctgga ttttagtcca 2100
ggtctgtcta cagctctaac gtatatacac cttttgtata acatgtcacg aattcagcat 2160
aaagggatct tggttaatat taagtgaat agttaaagtt agaagatccc agttataaga 2220
gtaatatttc aggctttgtg gaccctatgg tctctatcat aactgttcaa atcaccatgt 2280
agtgtaaaag gagccataag caaaatataa actaacgaat gtggctgttt tatgggattt 2340
ttttttaact ctttattttac aaaagcagggt ggcagatcag aactcactta tgggccatag 2400
ttctctgacc cctgacctga gaaaatctta tatttatgga caacatttag actgtgactt 2460
gccaagtaag aacaagaagc tctgtcaact gaagggtcaag gctggagttc tgaaagcaaa 2520
gagctgtctg gtgttaatat taagtgaat agttaaagtt agaagatccc agttataaga 2580
agcacaaga ataatgacca tagactcctg aacaagaatg tctggacttc tggcttaggc 2640
actctgttg tatggtccag gccaagttac ctaatctctc caggcctcca ttttcttatc 2700
attaaatgaa gataataaaa gtattttcct cagagagctg taagaataaa ctgagctaac 2760
ccatgtcaag cacatagaat agggccagc ctatattaat ttatcaataa atgccag 2817

```

&lt;210&gt; 8

&lt;211&gt; 1970

&lt;212&gt; RNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; mRNA

&lt;222&gt; (0)...(0)

<223> Corresponds to a cDNA detected by cDNA cloning. It includes two exons, the last is also present as "exon-2" in a human cDNA clone (sequence acc. no. BC036936). It is transcribed from the +strand of Seq\_ID\_06.doc

&lt;400&gt; 8

```

atttgaattg gtgaacttag taaagcagac ggctctcacc aataagggca ggcattcatcc 60
aatctgtcga aagcttgaat aaaacaaaaa gaggaagggg aaatttgctt cttttcttct 120
tgatctagta tatcatcttc tctgcccctt ggatgtgagt gggccttcag acttaaacca 180
ggagttacac ctttggcttc cctggttctc agttcttttg acttggtactg aattacactg 240
ccaggtttcc tggttctcca gcttgcatat ggcagatcat gggacttctt ggcctccata 300
attgtgtatc cccactgtgt agagctgggt cacaatggag aggaggaaaa gttttgcatt 360
ggaccaaatc actgccttag aaggaaagag attgcaatcc cattcatttt taagatctgc 420
aatgggttgg gatgataccc atttaaaaaa gaaaaaaaag gaggttacct ctttggcctc 480
tttgcaaaag gatatgaact agtaataaag cctcagcatc aaggcttggg agtctggctc 540
aaagtggcta agactagaag catcttctaa cataaatatg gcagcattag gaaaaatagct 600

```

34546 - SEQLIST.TXT

tggccttttag	agagacccag	attatcttca	ccttaaaaaac	taccaagacc	ctggtccagc	660
aagaccacca	tcacagcagt	aaatacatag	ccaccaactt	cacagaaggt	tttccactga	720
gacattgtga	aaaccacaat	ccattaccgg	tggatgagtc	ccagctctct	tactacctgg	780
agcttccaag	caagacttac	ctgtcctttg	ttccagattg	gttctctgga	tcctggacca	840
acacaaagag	aagaggaaag	cctcaaggga	aataaaagtg	aaggtttcag	tgatagttta	900
aatatatatt	tttaaatggt	agcttttttt	taaatacttc	acagtgatgg	atggagtatt	960
tcaaccacaa	tggcaaagaa	tgaattaccg	gcagtgtcag	agtttcttgt	tgctgtggga	1020
agacagctgc	catgttgaga	ggtgccttgt	ggagaggctc	atgtggcgag	gaactgagac	1080
tggcttctat	ccaacaacca	gtgaggaact	aaggccctaa	agtcctatag	tccacaagga	1140
actaaatcct	accaacaact	acatgagtga	gcctggaatc	tgattttccc	cagtggggac	1200
ttaaggtacc	tacaacctgg	ctgttatggg	ctaaactgca	tcctgcccac	atttatatgt	1260
ttgagtctta	actcccagca	cttcagaaca	tggtttttgt	tggagacata	gtcattaaag	1320
aggtaatgaa	gttaaaatga	ggtcatttag	atgagtccta	atccaatagg	actggtgttc	1380
ttatatgaag	aggaaatttg	aacacagaca	catatacagg	aaagaccatg	cgaagaagac	1440
acagagagga	aacggccatc	tacaatccaa	ggagagaggc	ctcagaacaa	gccaaccttg	1500
cagatacctt	gatctaggca	tccagaattg	tatgaaaata	cattttttgt	atttaagcta	1560
cccagtctgt	ggtgctttgt	tatggcaatc	ccagaaaact	aattaactaa	ttgactgcag	1620
ccttgcaagg	gaccctgaac	cagaggaccc	agttaagcca	tgtgcagatt	cctgactcac	1680
agaactagga	gataacaaat	gtttgtttgt	ctaagggtgt	aaatggtggg	aaaatatgtt	1740
atgtggctat	gttgttttgc	acatgtgcca	cataatgatg	ttttgggtcaa	caacagacca	1800
cacatatgat	ggtggggcca	taagattgta	atactgtgtt	tctattatgc	attctctatt	1860
tatagataca	caaatacttg	ccactgtgtt	acaattgcct	actgtcttca	gtactgtaac	1920
atgctgtaca	ggttttgtagc	ccagaagcaa	tagactatac	catacagtca		1970

<210> 9  
 <211> 1989  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> Corresponds to a human cDNA sequence (sequence  
 acc. no. BC036936). It is transcribed from the  
 +strand of Seq\_ID\_06.doc

<400> 9						
tttgacggcc	cggcacagtc	tcagttcccc	acagcacaga	gaggaagcaa	ggtcttttga	60
tgccctgttc	acttggccaa	acattgccct	agatgtgcaa	ttcaacccat	ataaagcaag	120
cgtaattcaa	gagccctgac	tctttcacca	tttcatgatg	gcttattact	cgcacacggc	180
attgtcaggt	tccagcaact	ctgtgtgcag	caggcagaaa	tgcagtgttt	atctctgaca	240
ggcaaacatt	cttaggctca	tcggcatgag	tatccacgct	gaactggcta	tcgggggaagt	300
agatccctgc	atgggaaagt	caaggtaicc	ccactgtgta	gagctgggtcc	acaatggaga	360
ggaggaaaag	ttttgcattg	gaccaaatca	ctgccttaga	aggaaaagaga	ttgcaatccc	420
attcattttt	aagatctgca	atggggttggg	atgataccca	tttaaaaaag	aaaaaaaaag	480
aggttacctc	tttggcctct	ttggcaaagg	atatgaacta	gtaataaagc	ctcagcatca	540
aggcttggga	gtctggctca	aagtggctaa	gactagaagc	atcttctaac	ataaatatgg	600
cagcattagg	aaaatagctt	ggccttttaga	gagacccaga	ttatcttcac	cttaaaaaact	660
accaagaccc	tggtcagca	agaccaccat	cacagcagta	aatacatagc	caccaacttc	720
acagaagggt	ttccactgag	acattgtgaa	aaccacaatc	cattaccggg	ggatgagttc	780
cagctctctt	actacctgga	gcttccaagc	aagacttacc	tgtcctttgt	tccagattgg	840
ttctgggat	cctggacca	cacaaagaga	agaggaaagc	ctcaagggaa	ataaaagtga	900
aggtttcagt	gatagtttta	atatatatatt	ttaaatgtta	gctttttttt	aaatacttca	960
cagtgtatgga	tggagtattt	caaccacaat	ggcaaagaat	gaattaccgg	cagtgtcaga	1020
gtttcttgtt	gctgtgggaa	gacagctgac	atgttgagag	gtgccttgtg	gagaggctca	1080
tgtggcgagg	aactgagact	ggcttctatc	caacaaccag	tgaggaaacta	aggccctaaa	1140
gtcctatagt	ccacaaggaa	ctaaatccta	ccaacaacta	catgagttag	cctggaatct	1200
gattttcccc	agtggggact	taagggtacct	acaacctggc	tggtatgggc	taaactgcat	1260
cctgcccacaa	tttatatgtt	tgagtcttaa	ctcccagcac	ttcagaacat	ggtttttgtt	1320
ggagacatag	tcattaaaga	ggtaatgaag	ttaaaatgag	gtcattagga	tgagtcctaa	1380
tccaatagga	ctgggtgttct	tatatgaaga	ggaaatttga	acacagacac	atatacagga	1440
aagaccatgc	gaagaagaca	cagagaggaa	acggccatct	acaatccaag	gagagaggcc	1500
tcagaacaag	ccaaccctgc	agataccttg	atctaggcat	ccagaattgt	atgaaaatac	1560

## 34546 - SEQLIST.TXT

```

atTTTTgtta tTTaaGctac cCagTctgtg gTgctTtgtt atggcaatcc cagaaaaacta 1620
attaactaat tGactgcagc cTtgcaaggg accctgaacc agaggaccca gTTaaGCCat 1680
gtgcagattc ctgactcaca gaactaggag ataacaaatg tTgtTgttc taaggTgcta 1740
aatgtTggga aaatatgtta tgtggctatg tTgtTtTgca catgtgccac ataatgatgt 1800
tTtggtcaac aacagaccac acatatgatg gtgggcccac aagattgtaa tactgtgttt 1860
ctattatgca tTctctattt atagatacac aaatactTgc cactgtgtta caattgccta 1920
ctgtcttcag tactgtaaaca tgctgtacag gTttgtagcc cagaagcaat agactatacc 1980
atacagtca

```

&lt;210&gt; 10

&lt;211&gt; 3931

&lt;212&gt; RNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; mRNA

&lt;222&gt; (0)...(0)

<223> Corresponds to a cDNA detected partly by cDNA cloning, partly by PCR analysis. It includes two exons, the last is identical to the last exon in Seq\_ID\_06 and Seq\_ID\_07.doc. It is transcribed from the +strand of Seq\_ID\_06.doc

&lt;400&gt; 10

```

gaaggtaaaa aaaagagggga ggtctgagaa atagaaatat cagaggaagg aaataaagga 60
gggtgagagt aaattctctt ttagcattca gattccacag attccacaaa tcacatttct 120
ttttttacca actaaggaaa aataacactt gacctaacat ttcattgcag ttagctaaag 180
gatgctagaa aaactatgtt gcagtggttt gctctaattt cttcaggaat agagaaaagt 240
gacaaaaaga tcagagaaga gaagaaagga aactatcaga aaaatacaga attggagtag 300
gatataacat atttgggttg aaggtaaaat tttatatattgt aatcttaagt atcttgctac 360
ttcagtttgg tccctggaac agcagcatca gaatctgccg agggcttgtt aaaaaggcag 420
aatctcaggt cccatcccag actcactgaa tcagaatata aatactgaca agatgccccg 480
ggattcatat gcacagtaga gctggcgaag ttccattgta gcctgtgatt gttttctgca 540
acttagtatt tctgagtttt cccaaggaag aaaaccagg ccttagcttc tggcagactt 600
gtgtttctcc tttacttact agctgcatga ctcatgagca aggaaatcaa actttatgtg 660
cctgagtttc ctcatctata aaatggagac tataataatc atctcctagg cttgttttga 720
ggatgttcaa caaatgtctc tttcattctt ctatttacag acctgccgca gacaattctg 780
ctagacgctt ttgtgctatt atctgttttc taaacttagt aattgagtgt gatctggaga 840
ctaactctga aataaataag ctgattatTT atttatTTtc tcaaaacaac agaatacgat 900
ttagcaaatT acttcttaag atattatTTt acatttctat attctcctac cctgagttga 960
tgtgtgagca atatgtcact ttcataaagc caggtataca ttatggacag gtaagtaaaa 1020
aacatattat ttattctacg tttttgtcca aaaattttta atttcaactg ttgcgcgtgt 1080
gttggtaatg taaaacaac tcagtacagt agtattcagt acagtattta agccctgta 1140
cttaaacata ttcctcgtag caatgaagtt acatgaaaag caaatttTgt tgagatatcg 1200
tagatggaag taaattagtc tttatgttcc ccacaaattg aaatgcattt caaaaactct 1260
gtgtgtgtat gtgtgtgtgt gacagagtgt gtgtgagaga gagacagaga gatacgcttt 1320
ggttgcctcc ataagctggc tgctatgatt aataagacca agttttctaa agaaaatgag 1380
atcataacaa aagccctctt tatgactatc ttttatcagg ggcaaaaagg aaagagacaa 1440
aacagcatga aatgatgaga ccaagtgatg aaaattcatt cacaatgatt gctttcaaga 1500
gtaattttct ttgggtaatt cagcagcctg ttactatggc tctctggagt gatagctaat 1560
gtaaatgaag cctctaaaag tggattatcc tgacaagaat atactcagcc aataatgcaa 1620
cagaaatcca ttcaaagcat tcgggaaaaa ttcaaaagaa taaatattct tttttttttt 1680
ttaaagttaa tgacctacga tccatttctt ccctgactaa caagcagcaa gcacttaaaa 1740
atatccagcc aggatgaaat agaaaccac ctgacttgtt aatatttttg tttggtccca 1800
gggactcaga ttctaagcca aattctttga atgactttgg caaatgtctc gaattatttt 1860
tgccaacttt tctttatctt ggaaaaaaag tttcatgaat ggggtgtcaa attgattagt 1920
tttaaaaacc tttcttgca atacgtatgg caccctaaaa ctgtattaga aaaaaatttc 1980
atatctccag gcctttcatt gggtcagggt ggcatttcgc tgccctttat gtgtgtgaca 2040
agtgaaaata aggaagaaaa aaaactcaag tgaagaaaat cagaatctgc gcagcagttc 2100
ctgggcgttt cagctgcttc ccacatcacc tgcctcatca agccccagca tccatctcct 2160
tgctcatctt acaccctgtg tgcattgacag gcccaccatt catttatcag agcaaaggct 2220
ctccacttat tctgtttcac ccccctactt agccagatat acaagaatat ctgcacggat 2280
gacctgcctc acctgggagc tcagaggagc tcagattcca ttactatcgc accaaggaca 2340

```

## 34546 - SEQLIST.TXT

```

gatctcccag caagaatgac agaaaagact aactgcccc aaaatctccc ttccaaaaca 2400
cagttctctt aatttctcca agaaaccaga atgtgactgc tcacctctct aaggacctga 2460
aaacaactgg ccatttccagc tattttaaat aactttaaaa aatccaaccg ccaaaatatt 2520
aaaccatttt ggttggaatg ataacataac taacctgctg acagctgctt ctgctagggtg 2580
caaaaatgga aaaaaaaata cttctaatac ggtcaaatca ctctaccttt gggattctaa 2640
atttactcat atttctcaaag aaatatattc agtcatagtg gggaaaatag gattattcct 2700
ttagctcgat aagcaaccag aagttcttcc ttcaaactct gacatttaat caatcagaaa 2760
ttgatttttg gaaaactggt tcctatgaag ctatctctgc ctgaaggatt tttcttttac 2820
aatccagact atagaaggaa attcacaacc tggactttca cctccattgg tcagagtttt 2880
actgaccaat tcccacctct gccttacacc taacggaagt ttatgcctgt tttctcttca 2940
catacccaa cagttacaaa tgggtgttat tattaagcat cttttatttt gtggcctctg 3000
attacatggt cccctaaatt ttgacctaat cacaaaagat tggtaaaatt tcttaacata 3060
ttaataatat tttgtttatg tgtcaatatc ttagcatgta tcaattaaga cagaggctct 3120
aacgttctct ttttgaaaga gaatatagg attcagagat attaagagat tctcccagga 3180
tcacagtgat gtaacagagc tggattttag tccaggctct tctacagctc taacgtatat 3240
acaccctttg tataacatgt cacgaattca gcataaagg atcttcagtg atctaagtca 3300
ggggtcagca accttttcta aaaaggacca aatagtaata tttcaggctt tgtggacct 3360
atggtctcta tcataactgt tcaaatacacc atgtagtgtg aaaggagcca taagcaaaat 3420
ataaactaac gaatgtggct gttttatggg attttttttt aactctttat ttacaaaagc 3480
aggtggcaga tcagaactca cttatgggcc atagttctct gaccttgac ctgagaaaat 3540
cttatattta tggacaacat tttagacttg acttgccaag taagaacaag aagctctgtc 3600
aactgaaggt caaggctgga gttctgaaag caaagagctg tctggtgta atgataagt 3660
aaatagttaa agttagaaga tcccagttat aagaagcaca aagaataatg accatagact 3720
cctgaacaag aatgtctgga cttctggctt aggcactctt gttgtatggg ccaggccaag 3780
ttacctaatc tctccaggcc tccattttct tatcattaaa tgaagataat aaaagtattt 3840
tcctcagaga gctgtaagaa taaactgagc taacccatgt caagcacata gaatagggcc 3900
cagcctatat taatttatca ataaatgcca g 3931

```

&lt;210&gt; 11

&lt;211&gt; 9458

&lt;212&gt; RNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; mRNA

&lt;222&gt; (0)...(0)

<223> Corresponds to a cDNA detected by cDNA cloning. It includes one exon. The sequence includes the last two exons in Seq\_ID\_07.doc. It is transcribed from the +strand of Seq\_ID\_06.doc

&lt;400&gt; 11

```

atttgaattg gtgaacttag taaagcagac ggctctcacc aataagggca ggcattcatcc 60
aatctgtcga aagcctgaat aaaacaaaaa gaggaaggga aaatttgctt ctttcttct 120
tgatctagta tatcatcttc tcctgccctt ggatgtgagt gggccttcag acttaaacca 180
ggagttacac ctttggcttc cctggttctc agttcttttg acttgactg aattacactg 240
ccaggtttcc tggttctcca gcttgcagat ggcagatcat gggacttctt ggcctccata 300
attgtgtgag tcaatttcca ttttattttac atatccagtt atgcattgct taacaatgga 360
gacaggttct gagaaatgca ttgttaagtg atttcatcat tgtgcaaaca tcatagagt 420
taactacaca aacctggaca gcatagacta ctacacatct aggtacatg gtgtagcttg 480
taacctcatg ataagtatgt ataacatcat gataagtatg tatgtatcta ccatatctaa 540
atgtagaaaa ggtacagtaa aaatatggta taatcttatg ggatcaccat catatatgca 600
atcctttgta gactgaaatg tcattgtgta gtgcagtact gtatacgcac acatacacia 660
acacacacaa atatactatt ggttcttttt ctctgaagag ccctaataca atatgttata 720
catttatatt gactctattt caaaatttat ggttttggtg aaacatatgt ggagatgggg 780
cataggtgtg tgaactggga tagtgtcctg ctgatgaatg ggtgggaggc atcatttggg 840
acaagcccag ggcatacagc tatagatatc aagagctcaa caagagcact ttatggcaaa 900
acctcccaca agacctctca gaagttgaga aactgctaaa agtttcttta tgacagatga 960
catttatgga taaaataggg attagcagga ttctttaaat actttcgaac actaaccttc 1020
atttctacca ggcagtgggg ccccaagtgc agggccatag gaagtacaag tctgggagat 1080
actaggctgc actgtctgta gagaatctga aaaaaataa gagtactga aatgcagttt 1140
ggtaataata ttgccatgca tcataattct aactcatact agtgggtcaa tactcttccc 1200
tgaaaaaaca ttttcttggg ttgaattcta aataattggt gtggtcacca ctgagctttt 1260

```



## 34546 - SEQLIST.TXT

aaatatataa	atactttcaa	gtttgcatat	ttttattacc	tgttccttaa	caaacattga	1320
attcaacatg	aaaatgatta	tgggaaacat	tcgggtatac	agtccttgac	tcttaaggac	1380
tcaggtaaat	acttagggta	tttcatggcc	ctagtctttg	gggtaccaca	tgtttcttct	1440
tcaaatcaca	gattcaaaat	caagaatgat	aacacagtga	ttgtgtagac	aaaataagt	1500
aaccaaatt	gcttgcttct	gtcattctat	ggaaccactg	agagttttta	cttgtgctta	1560
aaattttgaa	tagtaaaaca	gagtgtcaac	ttcatgctgg	aatatttttg	gctttttaga	1620
cacaatttta	agtacatgaa	gtattttttac	aagactaagt	aacatcactg	aaattacagc	1680
tttcttcttt	ttaaaactgg	tatttgttat	aaaactaaag	agcgaatcaa	gaaaagcata	1740
attattactg	attattacag	gattattact	gaaaaagaaa	tgtacggaat	agaggaggaa	1800
ggagttaaca	aatgatccac	tctgggtggt	gaaaacacca	ataagcctgc	ttccaggaag	1860
tgctaagac	agagctggct	cagcttgctg	ggtcacagca	tgtaggaaa	ctgctgggct	1920
acatgccacc	atcctcagtt	gtccagatag	ataatcccat	agccccatgg	ggaaataatc	1980
tttaattatg	atatagctga	caccattcaa	agcactatgc	taagtccttt	atgtgaatta	2040
acttttgtca	aattttatttt	tcataaataa	cccaaataatg	tataccacta	ttatcctacc	2100
ttaaagagga	gaaactgagc	tcctaaagtt	taaatatcta	acccaagtta	agactgctag	2160
tcaccctagg	ctattaactc	aggcagttct	actcaggtat	aataacatta	tgctactggt	2220
tgtagctttg	actatgcctg	aattataacg	tcatgctatc	taactaaaaa	gctaagggaa	2280
ataaaatgag	ccatagggct	caatttcata	aaaggagaga	aaatactggg	gaaaagtgat	2340
aatgcagagt	ttaaaatatt	tttgtaaaag	tgccagagat	tgagtataac	aagtgtgacc	2400
aaaaaaaaaa	aaaaaaaaaa	aaaaggaaga	aggtaaaaaa	aagagggagg	tctgagaaat	2460
agaaatatca	gaggaaggaa	ataaaggagg	gtgagagtaa	attctctttt	agcattcaga	2520
ttccacagat	tccacaaatc	acatttcttt	ttttaccaac	taaggaaaaa	taacacttga	2580
cctaacattt	cattgcagtt	agctaaagga	tgctagaaaa	actatgttgc	agtggtttgc	2640
tctaatttct	tcaggaatag	agaaaagtga	caaaaagatc	agagaagaga	agaaaggaaa	2700
ctatcagaaa	aatacagaat	tggagtagga	tataacatat	ttgggttgaa	ggtaaaattt	2760
tatatgttaa	tcttaagtat	cttgtacttt	cagtttggtc	cctggaacag	cagcatcaga	2820
atctgcccag	ggcttggttaa	aaaggcagaa	tctcaggtcc	catcccagac	tcactgaatc	2880
agaatatataa	tactgacaag	atgccccggg	attcatatgc	acagtagagc	tggcgaagtt	2940
ccattgtagc	ctgtgattgt	tttctgcaac	ttagtatttc	tgagttttcc	caaggaagaa	3000
aaccaggcc	ttagcttctg	gcagacttgt	gtttctcctt	tacttactag	ctgcatgact	3060
catgagcaag	gaaatcaaac	tttatgtgcc	tgagtttctt	catctataaa	atggagacta	3120
taataatcat	ctcctaggct	tgttttgagg	atgtttcaaca	aatgctcctt	tcatttctct	3180
atttacagac	ctgccgcaga	caattctgct	agcagccttt	gtgctattat	ctgttttcta	3240
aacttagtaa	ttgagtgtga	tctggagact	aactctgaaa	taaataagct	gattatttat	3300
ttattttctc	aaaacaacag	aatacgattt	agcaaattac	ttcttaagat	attattttac	3360
atttctatat	tctcctaccc	tgagttgatg	tgtgagcaat	atgtcacttt	cataaagcca	3420
ggtatacatt	atggacaggt	aagtaaaaaa	catattattt	attctacggt	tttgtccaaa	3480
aattttaaat	ttcaactggt	gcgcgtgtgt	tggttaagtta	aaacaaactc	agtacagtag	3540
tattcagtac	agtattttaag	cccctgtact	taaacatat	cctcgtacca	atgaagttac	3600
atgaaaagca	aattttgtgtg	agatatcgta	gatggaagta	aattagtctt	tatgttcccc	3660
acaaattgaa	atgcatttca	aaaactctgt	gtgtgtatgt	gtgtgtgtga	cagagtgtgt	3720
gtgagagaga	gacagagaga	tacgcttttg	ttgcctccat	aagctggctg	ctatgattaa	3780
taagaccaag	ttttctaaag	aaaatgagat	cataacaaaa	gccctcttta	tgactatctt	3840
ttatcagggg	caaaaaggaa	agagacaaaa	cagcatgaaa	tgatgagacc	aagtgatgaa	3900
aattcattca	caatgattgc	tttcaagagt	aatttctctt	gggtaattca	gcagcctggt	3960
actatggctc	tctggagtga	tagctaattg	aaatgaagcc	tctaaaagtg	gattatcctg	4020
acaagaatat	actcagccaa	taatgcaaca	gaaatccatt	caaagcattc	gggaaaaatt	4080
caaaagaata	aatatttctt	tttttttttt	aaagttaatg	acctacgatc	catttcttcc	4140
ctgactaaca	agcagcaagc	acttaaaaaa	atccagccag	gatgaaatag	aaaccacct	4200
gacttggttaa	tatttttgggt	tggtcccagg	gactcagatt	ctaagccaaa	ttctttgaa	4260
gatcttgcca	aatgtctcga	attatttttg	ccaacttttc	tttatcttgg	aaaaaaagtt	4320
tcatgaatgg	gtgtcaaaa	tgattagttt	taaaaacctt	tcttgcatat	acgtatggca	4380
ccctaaaact	gtattagaaa	aaaagtaagt	actctgtagt	gtgaaaaatt	cttaaaggac	4440
accctctttt	acaaaactcac	aaaaacagcc	tttggaatac	ccacatgaag	tagctgttgt	4500
tattgctttc	tatataccta	catcttgcct	attataaaaa	gactgggttt	tggcaggtgt	4560
ggtggctcac	acctgaattt	ccagcacttt	gggagggcaa	ggcggggcga	tcacctgaga	4620
tcaggagttc	aggacagcc	tgatcaatat	gggtaaaccc	agtctttact	gaaaatacaa	4680
aaatcacccg	ggtgtgggtga	cgggcgcctg	tagtcccagc	tactcgggta	gctgaggcag	4740
gagaatcact	tgaactcagg	agtcagaggt	tgagtgagc	tgagatcatg	ccactgcact	4800
ccagcctggg	tgacagagca	agactccatc	tcaaaaaaaa	aaaaaaaaaa	gactggtttt	4860
tcaacagcta	ttcccacccc	tctgcatgga	aatattcacc	cagtcaattg	ttttcctagt	4920
ttgggataatg	gccctctggg	caggactgga	gtggggcaca	caggagaagc	tgcaaaactat	4980
gtttagaagc	atgtctggga	aatgtcatgc	aagaaaagac	atattttaag	gtaggctttg	5040

## 34546 - SEQLIST.TXT

catgaatgga	aaaggagagt	aattctatgt	agagcagagc	ctcttacttg	cagtgagaga	5100
agcaaaagt	gggaagcaag	aggaattatg	cttttcatca	gccaaatttg	caggtaggag	5160
gattggctca	gtcatcttgg	ctgaggctca	tgaaccagg	tgtaaagaaa	gtggactaga	5220
ttaatttcat	ccattacagg	aagaggagcc	gtgaaagata	atccagaaat	cattgggatt	5280
tgatggtaga	aggtattttg	ggactattcc	atgtgaaatg	agaaggtacc	tgacattctt	5340
tgaattcctt	tcaagcaaa	gattaaattt	acccatgagt	tgactcagaa	aaaacataaa	5400
aagtattgtt	gctctgtctc	gagttttatc	taactcattc	tcacttctta	ttccatgatg	5460
aaatgacata	aatgaggttt	tttattgttg	ttgttgttgt	tttctggaca	caaggcaagg	5520
tagctacctg	ggcagagctg	ttttatttct	ctatgcccgtg	gagagaaatt	ggttaattgg	5580
ccatggaagg	cagtcattaa	gatgttccca	tgcgagtga	ctttccagg	ttcccagctt	5640
ctgcatcctt	ccctgtccct	caattccatt	gttggtagtg	acaatgtctc	tcccatcagc	5700
ctcatgaagt	tctctctcat	ttattaaaa	ttgctttcag	gaaaaatttt	gaaaatgtgt	5760
ccagtaatgc	ctgattggcc	ccttatccca	aaggcttaaa	ctggaggaag	gaagctaaac	5820
tgagaaatct	tgcaaatcat	tgagccaaaa	acgttaatat	agcaagatct	atcattttat	5880
gactagttct	tggcaggcag	tggcctttta	tttaggcagg	gagagttgat	ggggggggcg	5940
gggttcacac	atcttaaaga	ggtgctatct	cctcctatat	aaatcatgta	agtcaagaga	6000
gtaaggaatt	gtctttgttt	ggttatatct	aggggattag	agtatacagt	agaagatccc	6060
aagaaacctt	gggatcattt	tagactaaga	aatgccaata	ccgccggg	cgggtggctca	6120
cgcctgtaat	cccagcactt	tgagaggccg	aggtggg	atcacaagg	caggagattg	6180
agaccgtctt	ggctaaccgtg	gtgaaaccct	gtcttacta	aaaatacaaa	aaatttagccg	6240
ggcgtgggtg	cgggcgcctg	tagtcccagc	tactcgggag	gaggaggcag	gagaatgggtg	6300
tgaactcagg	aggcggagct	tgcagtcagc	cgagattgcc	ccaatgcact	ccagcctggg	6360
cgacagaacg	agactccgtc	tcagaacaaa	acaaaaggaa	atgccaatac	cagcagaaat	6420
agagccaaat	catgaacata	agctaaacaa	atgttggcag	tgtagcctag	tggttaagag	6480
agcagactct	taactagaac	actgcactcc	atgtcctcac	tgtagaccct	caactgtggg	6540
ttctaattaa	cccctgttat	ttaccagtgg	cagtcctta	gcattcctta	agttcggtgt	6600
gccccaat	gttcatctgt	agaaggggg	ggatgacagt	agtgtttact	ttataggctt	6660
actgtgagca	ttaaatgagt	tactactgta	tttgtaaagt	gcttaaaatg	ctgctccaaa	6720
agagtgtgtt	aaacacttaa	gaactgattt	acttgcattt	aaactgacag	ctctcaataa	6780
ctggaaatga	tcaagcatag	gccctggaat	ataagcaggt	ctacatgaag	gcaaaaatgt	6840
tcgtttcttt	tgttcagccc	tgtgcctaga	tcaatatcta	gtgatcatgc	tcaagaaata	6900
ttgttgaatg	aatcaatgaa	cctaccgagg	tgattacata	aaagagtctt	gcatgagtag	6960
aaatctgggc	aaagtgcact	ccaaggaaat	ttccactttt	agattctgtg	atttccttaa	7020
ggaactgata	aattgggtgtg	atacaatgta	aaaaaatgtg	cctatatgat	ttgagaaaaa	7080
cttattttct	ctccctcttt	tttcccttct	tccttccctc	ctcccttctt	tccttccctc	7140
ctcccttctt	tccttccctc	ctcccttctt	tccttctctt	tcttcttttc	tttctttctt	7200
tcttcttttc	tttctttctt	tcttcttttc	tttctttctt	cttcttctt	tccttcttct	7260
cttcttctt	ttgtgccttt	cttcttctt	tttcttctt	tctgtcttct	cttcttctct	7320
ttcttctt	ctgcctttct	ttcttctt	tttcttctt	ttcttctt	tttctttaa	7380
gcagaccatg	tctgttagat	gaatgccttt	ttctagttaa	aagggttaa	aggaaagtga	7440
agcacaaat	tcaagggtct	ccagtcattt	ccacatgttc	ttaatcatta	tcttctttta	7500
cagtttcata	tctccaggcc	tttcattggg	tcagggtggc	atttctgtgc	cctttatgtg	7560
tgtgacaagt	gaaaataaag	aaagaaaaaa	actcaagtga	agaaaatcag	aatctgcgca	7620
gcagttcttg	ggcgtttcag	ctgcttccca	catcacctgc	ctcatcaagc	cccagcatcc	7680
atctccttgc	tcattcttaca	ccctgtgtgc	atgacaggcc	caccattcat	ttatcagagc	7740
aaaggctctc	ccactattct	ggttcacccc	cctacttagc	cagatataca	agaatatctg	7800
cacggatgac	ctgcctcacc	tgggagctca	gaggagctca	gattccatta	ctatcgcacc	7860
aaggacagat	ctcccagcaa	gaatgacaga	aaagactaac	tgcccccaa	atctcccttc	7920
caaaacacag	ttctctta	tctcccaaga	aaccagaatg	tgactgtctc	cctctctaag	7980
gacctgaaaa	caactggcca	tttcagctat	ttaaatcaac	tttaaaaaat	ccaaccgcca	8040
aaatattaaa	ccatttttgt	tggaaatgata	acataactaa	cctgctgaca	gctgcttctg	8100
ctaggtgcaa	aaatggaaaa	aaaaatactt	ctaactcaggt	caaatacact	tacctttggg	8160
attctaaatt	tactcatatt	ctcaaagaaa	tatattcagt	catagtgggg	aaaataggat	8220
tattccttta	gctcgataag	caaccagaag	ttcttcttct	aaatcttgac	atttaataca	8280
tcagaaattg	atttttggaa	aactgtttcc	tatgaagcta	tctctgcctg	aaggattttt	8340
cttttacaat	ccagactata	gaaggaaatt	cacaaccctg	actttcacct	ccattgggtca	8400
gagttttact	gaccaattcc	cacctctgcc	ttacacctaa	cggaggttta	tgctgtttt	8460
ctcttcacat	accccaacag	ttacaaatgg	ttgttattat	taagcatctt	ttattttgtg	8520
gcctctgatt	acatgggtccc	ctaaattttg	acctaatac	aaaagattgg	taaaatttct	8580
taacatatta	ataatatttt	gtttatgtgt	caatatctta	gcatgtatca	attaagacag	8640
aggtcttaac	gttctctttt	tgaaagagaa	tattaggtat	cagagatatt	aagagattct	8700
cccaggatca	cagttaggta	acagagctgg	attttagctc	aggtctgtct	acagctctaa	8760
cgtatataca	ccctttgtat	aacatgtcac	gaattcagca	taaagggatc	ttcagtgatc	8820

## 34546 - SEQLIST.TXT

taagtcaggg	gtcagcaacc	ttttctaaaa	aggaccaa	at	agtaatat	caggctttgt	8880
ggaccctatg	gtctctatca	taactgttca	aatcaccatg	tagtgtaaaa	ggagccataa		8940
gcaaaaatata	aactaacgaa	tgtggctgtt	ttatgggatt	tttttttaac	tctttattta		9000
caaaaagcagg	tggcagatca	gaactcactt	atggggccata	gttctctgac	ccctgacctg		9060
agaaaatcct	atattttatgg	acaacattta	gactgtgact	tgccaagtaa	gaacaagaag		9120
ctctgtcaac	tgaagggtcaa	ggctggagtt	ctgaaagcaa	agagctgtct	ggtgttaatg		9180
ataagtga	tagttaaagt	tagaagatcc	cagttataag	aagcacaaaag	aataatgacc		9240
atagactcct	gaacaagaat	gtctggactt	ctggcttagg	cactcttggt	gtatggtcca		9300
ggccaagtta	cctaattctct	ccaggcctcc	attttcttat	cattaaatga	agataataaa		9360
agtattttcc	tcagagagct	gtaagaataa	actgagctaa	cccatgtcaa	gcacatagaa		9420
tagggcccag	cctatatatta	tttatcaata	aatgccag				9458

<210> 12  
 <211> 552  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> exon  
 <222> (0)...(0)  
 <223> Exon 1

<400> 12							
attatgtaga	accattccaa	tcctgagtga	caggatttgc	aaagacagct	gttgggctcc	60	
acaaacattt	ggaggagggg	aaaatgtgag	gttgggtgct	acattctcct	acttcttttt	120	
actgaaagga	acagctgcga	tcttcacatg	taagatgaag	taaacaaaag	ctgacaatgc	180	
ccagcaccat	tcagcagtaa	gcattcaaat	ggatttttcc	tcaccgcgtt	tgcaggcccg	240	
gcacagtctc	agttccccac	agcacagaga	ggaagcaagg	tctttgcatg	ccctgttcac	300	
ttggccaaac	attgccctag	atgtgcaatt	caaccatat	aaagcaagcg	taattcaaga	360	
gccctgactc	tttcaccatt	tcattgatggc	ttattactcg	cacacggcat	tgtcagggttc	420	
cagcaactct	gtgtgcagca	ggcagaaatg	cagtgtttat	ctctgacagg	caaacattct	480	
taggctcatc	ggcatgagta	tccacgctga	actggctatc	ggggaagtag	atccctgcat	540	
gggaaagtca	ag					552	

<210> 13  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> exon  
 <222> (0)...(0)  
 <223> Exon 1a

<400> 13							
atttgaattg	gtgaacttag	taaagcagac	ggctctcacc	aataagggca	ggcatcatcc	60	
aatctgtcga	aagcttgaat	aaaacaaaaa	gaggaaggga	aaatttgctt	cttttcttct	120	
tgatctagta	tatcatcttc	tcctgccctt	ggatgtgagt	gggccttcag	acttaaacca	180	
ggagttacac	ctttggcttc	cctggttctc	agttcttttg	acttggactg	aattacactg	240	
ccaggtttcc	tggttctcca	gcttgcagat	ggcagatcat	gggacttctt	ggcctccata	300	
attgt						305	

<210> 14  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> exon  
 <222> (0)...(0)  
 <223> Exon 1b

## 34546 - SEQLIST.TXT

```

<400> 14
atttgaattg gtgaacttag taaagcagac ggctctcacc aataagggca ggcacatccc 60
aatctgtcga aagcttgaat aaaacaaaaa gaggaagggg aaatttgctt cttttcttct 120
tgatctagta tatcatcttc tcctgccctt ggatgtgagt gggccttcag acttaaacca 180
ggagttacac ctttggtctc cctggttctc agttcttttg acttggaactg aattacactg 240
ccaggtttcc tggttctcca gcttgcagat ggcagatcat gggacttctt ggcctccata 300
attgtgt

```

```

<210> 15
<211> 557
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> exon
<222> (0)...(0)
<223> Exon 2

```

```

<400> 15
gggcaaaaag gaaagagaca aaacagcatg aaatgatgag accaagtgat gaaaattcat 60
tcacaatgat tgctttcaag agtaatttct cttgggtaat tcagcagcct gttactatgg 120
ctctctggag tgatagctaa tgtaaatgaa gcctctaaaa gtggattatc ctgacaagaa 180
tatactcagc caataatgca acagaaatcc attcaaagca ttcgggaaaa attcaaaaga 240
ataaatattc tttttttttt tttaaagtta atgacctacg atccatttct tccctgacta 300
acaagcagca agcacttaaa aatatccagc caggatgaaa tagaaaccca cctgacttgt 360
taatatTTTT gtttgggtccc agggactcag attctaagcc aaattctttg aatgatcttg 420
gcaaattgtc cgaattattt ttgccaactt ttctttatct tggaaaaaaa gtttcatgaa 480
tgggtgtcaa aattgattag ttttaaaaac ctttcttgca gatacgtatg gcaccctaaa 540
actgtattag aaaaaaa
557

```

```

<210> 16
<211> 1955
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> exon
<222> (0)...(0)
<223> Exon 3

```

```

<400> 16
tttcatatct ccaggccttt cattgggtca ggttggcatt tcgctgccct ttatgtgtgt 60
gacaagtga aataaggaaa gaaaaaaact caagtgaaga aaatcagaat ctgcgcagca 120
gttcctgggc gtttcagctg cttcccatc cacctgcctc atcaagcccc agcatccatc 180
tccttgctca tcttacacc tgtgtgcatg acaggccac cattcattta tcagagcaaa 240
ggctctccca ctattctggt tcacccccct acttagccag atatacaaga atatctgcac 300
ggatgacctg cctcacctgg gagctcagag gagctcagat tccattacta tcgcaccaag 360
gacagatctc ccagcaagaa tgacagaaaa gactaactgc ccccaaaatc tcccttccaa 420
aacacagttc tcttaattct cccaagaaac cagaatgtga ctgctcacct ctctaaggac 480
ctgaaaacaa ctggccattt cagctattta aatcaacttt aaaaaatcca accgccaaaa 540
tattaaacca ttttggttgg aatgataaca taactaacct gctgacagct gcttctgcta 600
ggtgcaaaaa tggaaaaaaa aatacttcta atcagggtcaa atcactctac ctttgggatt 660
ctaaatttac tcatattctc aaagaaatat attcagtcac agtggggaaa ataggattat 720
tcctttagct cgataagcaa ccagaagttc ttctttcaaa tcttgacatt taatcaatca 780
gaaattgatt tttggaaaac tgtttcctat gaagctatct ctgcctgaag gatttttctt 840
ttacaatcca gactatagaa ggaaattcac aacctggact ttcacctcca ttggtcagag 900
ttttactgac caattcccac ctctgcctta cacctaacgg aagtttatgc ctgttttctc 960
ttcacatacc ccaacagtta caaatgggtg ttattattaa gcatctttta ttttgtggcc 1020
tctgattaca tgggtccccta aattttgacc taatcacaaa agattggtaa aatttcttaa 1080
catattaata atattttgtt tatgtgtcaa tatcttagca tgtatcaatt aagacagagg 1140
tcttaacggt ctctttttga aagagaatat taggattcag agatattaag agattctccc 1200
aggatcacag ttaggttaaca gagctggatt ttagtccagg tctgtctaca gctctaacgt 1260

```

34546 - SEQLIST.TXT

atatacaccc	tttgtataac	atgtcacgaa	ttcagcataa	agggatcttc	agtgatctaa	1320
gtcaggggtc	agcaaccttt	tctaaaaagg	accaaatagt	aatatttcag	gctttgtgga	1380
ccctatgggtc	tctatcataa	ctgttcaa	caccatgtag	tgtaaaagga	gccataagca	1440
aaatataaac	taacgaatgt	ggctgtttta	tgggattttt	ttttaactct	ttatttacaa	1500
aagcaggtgg	cagatcagaa	ctcacttatg	ggccatagtt	ctctgacccc	tgacctgaga	1560
aaatcttata	tttatggaca	acattttagac	tgtgacttgc	caagtaagaa	caagaagctc	1620
tgtcaactga	agggtcaaggc	tggagttctg	aaagcaaaga	gctgtctggt	gttaatgata	1680
agtgaatag	ttaaagttag	aagatcccag	ttataagaag	cacaaagaat	aatgaccata	1740
gactcctgaa	caagaatgtc	tggacttctg	gcttaggcac	tcttgttgta	tgggtccaggc	1800
caagttacct	aatctctcca	ggcctccatt	ttcttatcat	taaatgaaga	taataaaaagt	1860
attttcctca	gagagctgta	agaataaact	gagctaacc	atgtcaagca	catagaatag	1920
ggcccagcct	atatttaattt	atcaataaat	gccag			1955

<210> 17  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> CDS  
 <222> (0)...(0)

<400> 17						
atgttcaaca	aatgctcctt	tcattcctct	atttacagac	ctgccgcaga	caattctgct	60
agcagccttt	gtgctattat	ctgttttcta	aacttagtaa	ttgagtgtga	tctggagact	120
aactctgaaa	taaataagct	gattattttat	ttatttttctc	aaaacaacag	aatacgattt	180
agcaaattac	ttcttaagat	attatttttac	attttctatat	tctcctaccc	tgagttgatg	240
tgtgagcaat	atgtcacctt	cataaagcca	ggtatacatt	atggacaggt	aagtaaaaaa	300
catattat	attctacgtt	tttgtccaaa	aatttttaaat	ttcaactgtt	gcgcgtgtgt	360
tggttaa						366

<210> 18  
 <211> 1253  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> exon  
 <222> (0)...(0)  
 <223> ESTbc03936 Exon 2

<400> 18						
tatccccact	gtgtagagct	gggtccacaat	ggagaggagg	aaaagttttg	cattggacca	60
aatcactgcc	ttagaaggaa	agagattgca	atccccattca	tttttaagat	ctgcaatggg	120
ttgggatgat	acccatttaa	aaaagaaaaa	aaaagagggt	acctcttttg	cctctttggc	180
aaaggatatg	aactagtaat	aaagcctcag	catcaaggct	tgggagtctg	gctcaaagtg	240
gctaagacta	gaagcatctt	ctaacataaa	tatggcagca	ttaggaaaaat	agcttggcct	300
ttagagagac	ccagattatc	ttcaccttaa	aaactacca	gaccctggc	cagcaagacc	360
accatcacag	cagtaaatat	atagccacca	acttcacaga	aggttttcca	ctgagacatt	420
gtgaaaacca	caatccatta	ccggtggatg	agtcccagct	ctcttactac	ctggagcttc	480
caagcaagac	ttacctgtcc	tttgttccag	attggttcct	gggatcctgg	accaacacaa	540
agagaagagg	aaagcctcaa	gggaaataaa	agtgaagggt	tcagtgatag	tttaaata	600
tatttttaaa	tgttagcttt	tttttaata	cttcacgggtg	atggatggag	tatttcaacc	660
acaatggcaa	agaatgaatt	accggcagtg	tcagagtttc	ttgttgctgt	gggaagacag	720
ctgccatggt	gagaggtgcc	ttgtggagag	gctcatgtgg	cgagggaactg	agactggctt	780
ctatccaaca	accagtggag	aactaaggcc	ctaaagtcct	atagtccaca	aggaactaaa	840
tcctaccaac	aactacatga	gtgagcctgg	aatctgattt	tccccagtg	ggacttaagg	900
tacctacaac	ctggctgtta	tgggctaaac	tgcacctcgc	ccaaatttat	atgtttgagt	960
cttaactccc	agcacttcag	aacatgggtt	tgtttggaga	catagtcatt	aaagaggtaa	1020
tgaagttaaa	atgaggtcat	taggatgagt	cctaatacaa	taggactgg	gttcttatat	1080
gaagaggaaa	tttgaacaca	gacacatata	caggaaagac	catgcgaaga	agacacagag	1140
aggaaacggc	catctacaat	ccaaggagag	aggcctcaga	acaagccaac	cctgcagata	1200
ccttgatcta	ggcatccaga	attgtatgaa	aatacatttt	tgttatttaa	gct	1253

<210> 19  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens  
  
 <220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 1  
  
 <400> 19  
 aaauagggca ggcaucaucc a 21  
  
 <210> 20  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens  
  
 <220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 1 B  
  
 <400> 20  
 aaauacacug ccagguuucc u 21  
  
 <210> 21  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens  
  
 <220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 2 A  
  
 <400> 21  
 aaucuuca caaugauugc u 21  
  
 <210> 22  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens  
  
 <220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 2 B  
  
 <400> 22  
 aaauucucuu ggguaauuca g 21  
  
 <210> 23  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens  
  
 <220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 3 (DDend) A



34546 - SEQLIST.TXT

<400> 23  
 aaaaucagaa ucugcgcagc a 21

<210> 24  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting Exon 3 (DDend) B

<400> 24  
 aaugaugaug ggaagaagga a 21

<210> 25  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting CDS A

<400> 25  
 aaacuuagua auugagugug a 21

<210> 26  
 <211> 21  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> mRNA  
 <222> (0)...(0)  
 <223> siRNA targeting CDS B

<400> 26  
 aaaugucac uuucauaaag c 21

<210> 27  
 <211> 14  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> primer\_bind  
 <222> (0)...(0)  
 <223> Exon overlapping oligonucleotide primer F26

<400> 27  
 agacggctct cacc 14

<210> 28  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> primer\_bind

34546 - SEQLIST.TXT

```

<222> (0)...(0)
<223> Exon overlapping oligonucleotide primer FDP5

<400> 28
cacttgtcac acacataaag g
21

<210> 29
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> primer_bind
<222> (0)...(0)
<223> cDNA oligonucleotide primer FDP5

<400> 29
cctttatgtg tgtgacaagt g
21

<210> 30
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> primer_bind
<222> (0)...(0)
<223> cDNA oligonucleotide primer F10

<400> 30
atccagccag gatgaaatag aa
22

<210> 31
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> primer_bind
<222> (0)...(0)
<223> upstream primer human VH family leader sequence
VH1

<400> 31
ccatggactg gacctggagg
20

<210> 32
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> primer_bind
<222> (0)...(0)
<223> upstream primer human VH family leader sequence
VH2

<400> 32
atggacatac tttgttccag c
21

<210> 33
<211> 20
<212> DNA

```

<213> Homo sapiens

<220>

<221> primer\_bind

<222> (0)...(0)

<223> upstream primer human VH family leader sequence  
VH3

<400> 33

ccatggagtt tgggctgagc

20

<210> 34

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> primer\_bind

<222> (0)...(0)

<223> upstream primer human VH family leader sequence  
VH4

<400> 34

atgaaacacc tgtggttctt

20

<210> 35

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> primer\_bind

<222> (0)...(0)

<223> upstream primer human VH family leader sequence  
VH5

<400> 35

atggggtcaa ccgcgatcct

20

<210> 36

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> primer\_bind

<222> (0)...(0)

<223> upstream primer human VH family leader sequence  
VH6

<400> 36

atgtctgtct ccttcctcat

20

<210> 37

<211> 21

<212> DNA

<213> Homo sapiens

<220>

<221> primer\_bind

<222> (0)...(0)

<223> down stream primer C1

21



<400> 37  
gaggctcagc gggaagacct t

<210> 38  
<211> 21  
<212> DNA  
<213> Homo sapiens

<220>  
<221> primer\_bind  
<222> (0)...(0)  
<223> down stream primer C 2

<400> 38  
ggggaagacc gatgggcccc t

21

<210> 39  
<211> 20  
<212> DNA  
<213> Homo sapiens

<220>  
<221> primer\_bind  
<222> (0)...(0)  
<223> northern blot primer

<400> 39  
tcacctggga gctcagagga

20

<210> 40  
<211> 20  
<212> DNA  
<213> Homo sapiens

<220>  
<221> primer\_bind  
<222> (0)...(0)  
<223> northern blot primer

<400> 40  
gtgatcctgg gagaatctct

20

<210> 41  
<211> 25  
<212> DNA  
<213> Homo sapiens

<220>  
<221> primer\_bind  
<222> (0)...(0)  
<223> RACE antisense primer

<400> 41  
tacattacca acacacgcgc aacag

25